

Kerala University of Digital Sciences, Innovation and Technology (Digital University) Technocity Campus, Mangalapuram, Thonnakkal PO, Thiruvananthapuram, Kerala - 695 317 Tel: +91-471-2788000 Email: info@duk.ac.in www.duk.ac.in

No. KUDSIT/501/AR.AD/2022

Dated: 20.06.2022

Technocity,

NOTIFICATION

Kerala University of Digital Sciences, Innovation and Technology invites applications from qualified Indian Citizens for appointment to the following posts (on a contract basis) under the **Big Data Analytics Project** of the University. Candidates shall apply online through the Recruitment Portal. The guidelines for the submission of applications are available in the recruitment portal.

DETAILS OF POST, QUALIFICATION, EXPERIENCE ETC. REQUIRED

I. Sr. System Administrator

I. Sr. System Administra	
Job Code	: SSA/062022/290
Name of Post	: Sr. System Administrator
Remuneration	: 55,000/ 75,000/- Consolidated
Age	: Should not exceed 40 Years as on the last date for submission
	of
	Application.
	B-Tech/BE/MCA/M-Tech/MSc in IT or Computer science from a
Essential Educational	recognized University/Educational Institution.
Qualification	
	Desirable:
	Certification in CCNA, RHCE/LPI RHCSA
	6 year's relevant experience (out of which Minimum 3 years
Essential Experience	proven experience as a System Administrator/ Network
,	Administrator/Senior Tech Support Engineer or similar role) in a
	reputed institution
	Set up and manage distributed clusters/ workstations.
	Setup LAN and cluster installations (With Linux, Hadoop,
	Hbase, Spark, ELK, Pig, Couchbase etc).
	Build an internal repo with technical documentation,
	manuals, and IT
	Manage and configure Firewall and Proxy systems as per
	requirements.
	 Implementation, Management of GIT and other TFS/SVN
	servers.
	Network Security Tool setup, administration, and
	management.
	Administration of Biometric, EPABX, and other access
l	control systems.

Responsibilities	 Install and configure software and hardware. Manage network servers and technology tools. Monitor performance and maintain systems according to requirements. Troubleshoot issues and outages on network and cluster nodes. Configure and manage Active Directory, DHCP, and DNS (Linux/Windows). Install and configure an Active Directory Domain Controller. Ensure security through access controls, backups, and firewalls. Upgrade systems with new releases and models. Develop expertise to train staff on new technologies. Ensuring security and efficiency of IT infrastructure. Install and setup IT infrastructure management tools on production servers.
Skills Required	Communication skills: Work on teams and must communicate effectively with clients, managers, faculties, developers, and other workers. Problem-solving skills: When Network problems come up, administrators must troubleshoot them and resolve the problems. Excellent written and verbal communication skills
Nature of Appointment	The full-time contract appointment will be initially for a period of three years. However, the term can be extended based on the performance and requirements.

II. Sr. Technology Lead

ii. Sr. Technology Lead	
Job Code	: STL/062022/290
Name of Post	: Sr. Technology Lead
Remuneration	: 1,20,000/- – 1,30,000/- Consolidated
Age	: Should not exceed 40 Years as on the last date for submission of
	Application.
Essential Educational	B-Tech/BE/MCA or M-Tech/MSc in Information Technology or
	Computer Science from a recognized University/Educational
Qualification	Institution.
Essential Experience	10 year's relevant experience in a reputed institution
	 The JAVA Professionals will be required to apply their proficiency and experience in Core Java/J2EE, Microservices, and SpringBoot framework for the development of various applications within the projects, and ensure timely and quality delivery to the customer. Understand the requirements, and current state architecture of the enterprise and create a roadmap for the future enhancements accordingly. Define Integration Design and Security Design for the Web Services and Enterprise components involved.



Responsibilities

- Participate in the production of detailed functional design documents to match customer requirements.
- Participate in the production of technical specifications for development and integration requirements.
- Review design documents for services such as Service Design Document, and Service physical Document and define Service SLAs in Non-functional requirements.
- Mentor and train project team members on the Solution details for smoother execution.
- Take ownership of the development activities and work closely with end-users (both internal and external clients) to translate requirements into data-driven applications and data visualization solutions.
- Responsible for data injection, transformation, analysis, and visualisation
- Design and implementation of medium to large custom application data models.
- Ensure quality deliverables.

Java, Javascript, JQuery, Angular, HTML5, CSS3, Postgresql, MySQL, Oracle, MongoDB/ElasticSearch, Spring Boot, Hibernate, SOAP/Rest Web services, Micro services Architecture, Maven, PL/SQL for writing queries, Agile, CI/CD like Jenkins.

Secondary Skills: API design and development, AWS/Gcloud, ADO Knowledge of SQL and NoSQL platforms (such as MySQL/PostgreSQL, Oracle, ElasticSearch/MondoDB/CouchBase, knowledge in key-value stores, graph databases, RDF triple stores)

- Able to coordinate and prioritize technical tasks and deliver within agreed timelines.
- Ability to provide technical system solutions, determine overall design direction and provide hardware recommendations for complex technical issues.
- Experience planning and developing support processes and adhering to best practices.
- Experience designing, integrating and managing complex software solutions.
- Experience with web technologies and enterprise architectures.
- Good understanding of Open source (Java / J2EE applications) as well as MySQL/Postgres/Oracle and their deployment and integration across an enterprise.
- Knowledge of client-server networking and database management concepts. Up to date knowledge of technology including Service Oriented Architecture, Event driven architectures and web application development concepts.
- Web server and application server administration and web applications deployment experience.
- Ability to quickly comprehend the functions and capabilities of new technologies.

Skills Required



	 Understanding of system security, including encryption standards, SEIM and network segregation.
	Able to create delivery plan for enhancements and track with
	team to closure. • Excellent verbal and written communication skill, ability to
	speak with customer, understand the tasks, share actions and
	handle escalations.
	A team player with a to do attitude for delivering the assigned
	work. Should be ready to do hands on work for any new
	feature, PoC, client ask where needed.
	Extensive experience in the IT industry.
	Sound knowledge of estimation techniques.
	Sound knowledge of Java / J2EE, Web Services etc
	Good understanding of unit testing methodologies.
	Extensive knowledge in design, creation and consumption of
	RESTful API
	 Extensive knowledge in automated unit testing using JUnit, EasyMock, PowerMock, and Mockito
	Extensive Knowledge in writing SQL queries and interacting
	with database systems such as Oracle, SQL Server
	Excellent analytical skills.
	Exceptional communication skills
	Product development experience would be an added
	advantage
	The full-time contract appointment will be initially for a period of
Nature of Appointment	three years. However, the term can be extended based on the
Nature of Appointment	performance and requirements.

III. Security Analyst

iii. Security Arialyst	
Job Code	: SA/062022/290
Name of Post	: Security Analyst
Remuneration	: 35,000/ 55,000/- Consolidated
Age	: Should not exceed 30 Years as on the last date for submission of Application.
	B-Tech/M-Tech/MSc in Information technology/MSc in Computer
Essential Educational	science (Specialization in Cyber Security) from a recognized
Qualification	University/Educational Institution.
Essential Experience	Should have a minimum 12 months of industry experience in the Cyber Security Area
	 Cybersecurity monitoring. Respond to cybersecurity incidents; conduct threat analysis as directed and address detected incidents for resolution Reviews alerts. Determine relevancy and urgency Create new incident Evaluate event flows to identify common risks and vulnerabilities to develop and implement solutions



Responsibilities	 Ethical Hacking and Testing of vulnerabilities of implementations. Researching the Organization's system, network structure, and possible penetration sites. Conducting multiple penetration tests on the system. Identifying and recording security flaws and breaches. Identifying areas of high-level security. Reviewing and rating the security network. Creating suggestions for security upgrades. Compiling penetration test reports for the client. Conducting penetration tests once new security features have been implemented. Development knowledge in Java/Python and Spring boot/Django
	framework would be considered as an added advantage.
Skills Required	 Python, ML/DL, MySQL/SQL Server/Oracle/PostgreSQL Analytical ability, Administering Information Security Software and Controls Analysing Security System Logs, Security Tools, and Data Creating, Modifying, and Updating Intrusion Detection Systems (IDS) Creating, Modifying, and Updating Security Information Event Management (SIEM) Experience with Intrusion Prevention Systems and Tools Deep Understanding of Risk Management Frameworks Defining Process for Managing Network Security
Nature of Appointment	The full-time contract appointment will be initially for a period of one year. However, the term can be extended based on the performance and requirements.

IV. Sr. Database Administrator

Job Code	: SDA/062022/290
Name of Post	: Sr. Database Administrator
Remuneration	: 70,000/ 85,000/- Consolidated
Age	: Should not exceed 45 Years as on the last date for submission of Application.
Essential Educational Qualification	B-Tech/BE/MCA or M-Tech/MSc (in Information Technology or Computer science) from a recognized University/Educational Institution.
Essential Experience	8 year's relevant experience (out of which minimum of 4 years experience as a DBA in a production and development environment with SQL Server/MySQL/Oracle and PostgreSQL) in a reputed institution
	 Administration of database objects such as indexes, tables, views, constraints, and stored procedures. Archiving, backup/recovery, replication, cloning, import/export and refresh. Administration of database users.



Responsibilities	 Capacity Management and storage management. Design, test, and optimize/tune RDBMS components. Contribute to design, maintenance, and documentation of integrated database security and components in relation to SOX and SAS70 compliance. Review and assess new features or upgrades to existing RDBMS components as well as application database changes. For databases that may be supported in the future, review product literature to assess RDBMS differences and unique features. Strong agile/scrum development experience
Skills Required	 PostgreSQL, MySQL, Oracle, MongoDB/Elasticsearch/ Couchbase Analytical skills: DBAs must monitor the database performance and evaluate complex information coming from a variety of sources. Communication skills: Work on teams and must communicate effectively with clients, managers, developers, and other workers. Detail oriented: Working with a database requires the administrator to have an understanding of complex systems, and how a minor error can cause major problems. Problem-solving skills: When problems come up, administrators must troubleshoot them and resolve the problems.
Nature of Appointment	The full-time contract appointment will be initially for a period of three years. However, the term can be extended based on the performance and requirements.

V. Sr. Software Engineer (Java)

Job Code	: SSEJ/062022/290
Name of Post	: Sr. Software Engineer (Java)
Remuneration	: 50,000/- – 75,000/- Consolidated
Age	: Should not exceed 35 Years as on the last date for submission of
	Application.
Essential Educational Qualification	B-Tech/BE/MCA or M-Tech/MSc in Information Technology or Computer science from a recognized University/Educational Institution.
Essential Experience	3 year's relevant experience in a reputed institution
	 2+ years of experience developing web applications using J2EE. Minimum 3 years proven industry experience as a Web developer 1+ years of experience in Spring Boot.



Responsibilities	 Good knowledge of MicroServices. Experience working with tools like Git, Maven, JFrog, UDeploy. Expertise developing enterprise-level web applications and RESTful APIs using MicroServices, with demonstrable production-scale experience. Demonstrate strong design and programming skills using JSON, Web Services, XML, XSLT, PL/SQL in Unix and Windows environments. Strong background working with Linux/UNIX environments. Working knowledge with PostgreSQL, MySQL, DB2 or Mongo DB databases. Passion to stay on top of the latest happenings in the tech world and an attitude to discuss and bring those into play. Strong agile/scrum development experience Strong collaboration and communication skills within distributed project teams Excellent written and verbal communication skills
Skills Required	Java, Javascript, JQuery, Angular, HTML5, CSS3, Postgresql, MySQL, Oracle/MongoDB/ElasticSearch, Spring Boot
Nature of Appointment	The full-time contract appointment will be initially for a period of three years. However, the term can be extended based on the performance and requirements.

VI. Sr. Software Engineer (.Net)

Job Code	: SSEN/062022/290
Name of Post	: Sr. Software Engineer (.Net)
No. of Vacancies	: 50,000/ 75,000/- Consolidated
Remuneration	: Should not exceed 35 Years as on the last date for submission of
Age	Application.
Essential Educational Qualification	B-Tech/BE/MCA or M-Tech/MSc (in Information Technology or Computer science) from a recognized University/Educational Institution.
Essential Experience	3 year's relevant experience in a reputed institution
Responsibilities	 Good knowledge of MicroServices. Experience working with tools like Git/GitHub. Expertise developing enterprise-level web applications and RESTful APIs using MicroServices, with demonstrable production-scale experience. Demonstrate strong design and programming skills using JSON, Web Services, XML, XSLT, PL/SQL in Unix and Windows environments. Strong background working with Windows and Linux/UNIX environments. Working knowledge with PostgreSQL, MySQL, Maria DB or Mongo DB databases. Passion to stay on top of the latest happenings in the tech world and an attitude to discuss and bring those into play.



	 Strong agile/scrum development experience Strong collaboration and communication skills within distributed project teams Excellent written and verbal communication skills
Skills Required	C#,.Net Core, Javascript, JQuery, Angular, HTML5, CSS3, Postgresql, MySQL, Oracle and MongoDB/ElasticSearch, MVC
	The full-time contract appointment will be initially for a period of
Nature of Appointment	three years. However, the term can be extended based on the performance and requirements.

VII. Software Engineer (Ko	otlin/Java)
Job Code	: SEKJ/062022/290
Name of Post	: Software Engineer (Kotlin/Java)
Remuneration	: 50,000/ 75,000/- Consolidated
Age	: Should not exceed 35 Years as on the last date for submission
	of
	Application.
Essential Educational	MCA or B-Tech/BE/M-Tech/MSc (in Information Technology or
Qualification	Computer science) from a recognized University/Educational
Qualification	Institution.
Essential Experience	3 year's relevant experience in a reputed institution
Responsibilities	 Good experience in Java/Kotlin programming. Very strong logical skills Knowledge in development IDE Android Studio, Android SDK, Firebase Test Lab Knowledge of Material Design and Android UI design principles, patterns and best practices Good knowledge of MicroServices. Experience working with tools like Git, Maven, etc Expertise developing enterprise-level web applications and RESTful Services using MicroServices, with demonstrable production-scale experience. Demonstrate strong App design and programming skills using JSON, Web Services, XML, XSLT, PL/SQL in Unix and Windows environments. Strong background working with Linux/UNIX environments. Working knowledge with SQLite/PostgreSQL/MySQL, DB2 or Mongo DB databases. Passion to stay on top of the latest happenings in the tech world and an attitude to discuss and bring those into play. Strong agile/scrum development experience Strong collaboration and communication skills within distributed project teams Excellent written and verbal communication skills



	Kotlin, Java, Firebase, MVVM, MVP, Mobile App designing,
Skills Required	REST/SOAP APIs, Multi-threading, SQLite, Android/IOS App
	performance Optimization.
	The full-time contract appointment will be initially for a period of
Nature of Appointment	three years. However, the term can be extended based on the
	performance and requirements.

VIII. Jr. Software Engine	eer
Job Code	: JSE/062022/290
Name of Post	: Jr. Software Engineer
Remuneration	: 30,000/ 45,000/- Consolidated
Age	: Should not exceed 30 Years as on the last date for submission of
	Application.
Essential Educational Qualification	B-Tech/MCA or M-Tech/MSc/Eng. Diploma in Information technology or Computer Science from a recognized University/Educational Institution. Note: People with a Master of Science (Specialization in Data Analytics/Geospatial Analysis and Data visualization with Python/Java) and internship (Minimum 6 months) from the IT industry are also considered for this position.
Essential Experience	6 month's relevant experience in a reputed institution
Responsibilities	 Minimum 6 months of experience developing web applications using J2EE. Minimum 6 months of experience in Spring/Spring Boot or any other MVC framework with Java. Good knowledge of MicroServices. Experience working with tools like Git, Maven. Expertise developing enterprise-level web applications and RESTful APIs using MicroServices, with demonstrable production-scale experience. Demonstrate strong design and programming skills using JSON, Web Services, XML, JSON, PL/SQL in Unix and Windows environments. Strong background working with Linux/UNIX environments. Working knowledge with PostgreSQL/MySQL/DB2/Mongo DB databases. Passion to stay on top of the latest happenings in the tech world and an attitude to discuss and bring those into play. Strong agile/scrum development experience Strong collaboration and communication skills within distributed project teams Excellent written and verbal communication skills
Skills Required	Java, Javascript, JQuery/Angular, HTML, CSS,
Okino Required	Postgresql/MySQL/MSSQL, Spring/Spring Boot
Nature of Appointment	The full-time contract appointment will be initially for a period of three years. However, the term can be extended based on the performance and requirements.



IX. Sr. Quality Analyst

is SQA/062022/290 Sr. Quality Analyst 40,000/ 55,000/- Consolidated Should not exceed 35 Years as on the last date for submission Application. MCA or B-Tech/BE/M-Tech/MSc (in Information Technology or Computer science) from a recognized University/Educational Institution. Sential Experience 3 year's relevant experience in a reputed institution Mastery in analyzing business, and functional needs and customer requirements Well versed with SDLC and STLC practices - Ensuring Product quality throughout the development process Derive key metrics on test effectiveness, issue distributions Classifications etc Strong understanding of Core JAVA and OO Concepts
 ### semuneration ### should not exceed 35 Years as on the last date for submission Application. ### MCA or B-Tech/BE/M-Tech/MSc (in Information Technology or Computer science) from a recognized University/Educational Institution. ### sential Experience
Should not exceed 35 Years as on the last date for submission Application. MCA or B-Tech/BE/M-Tech/MSc (in Information Technology or Computer science) from a recognized University/Educational Institution. Sential Experience 3 year's relevant experience in a reputed institution • Mastery in analyzing business, and functional needs and customer requirements • Well versed with SDLC and STLC practices - Ensuring Product quality throughout the development process • Derive key metrics on test effectiveness, issue distributions Classifications etc
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Strong understanding of Core JAVA and OO Concepts
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Take ownership and responsibility for the design and
development of all aspects of automated testing along with
the creation, execution, and maintenance of automated
scripts
Critical thinking and analysis skills to determine security ris
to data, hardware, and software Good in developing Test
plans, Test strategies, Use Cases, Test Cases, Test
Scenarios, Bug Reports, Test Summary reports
Must have good experience in testing Microservices/APIs,
Web Applications, and Mobile Applications
Min 2 years of experience in Performance Test Tools like
Apache J-meter, Load Runner, Locust, Grinder etc
• Good working knowledge of compatibility test tools like
LambdaTest, BrowserStack, Functionize etc.
 Min 2 years of working experience of API test using SOAP
POSTMAN, ReadyAPI, Talend API etc.
Well versed with Issue tracking tools like Bugzilla, Zoho, JI
Redmine etc -Knowledge of the use of version control
systems such as SVN or GIT
Hands-on to configure STE (Selenium Test Environment) v
TestNG and design of framework like Data-Driven
Framework. Hybrid Testing Framework etc.
Experience with building tools such as Ant, Maven, and
Gradle is a plus.
Good in Windows and Linux based test environments for the second se
deployment of applications
Good In DDL and DML on databases like Postgres, Marial McCol. Westernith the Development to an to continue and
MySQL - Work with the Development team to capture and
reuse automated Unit Test Cases, Test Stubs and Drivers
and other Development test objects.



	Performs in a lead capacity role within the team in making decisions for the quality assurance of the project / application
1	Manual & Automation Testing, Software Test Life cycle, Shift Left test strategy, Test Planning, Test Case design and Review, API Testing, OWASP Guidelines and Tests, Performance Test of APIs and Web applications.
	The full-time contract appointment will be initially for a period of
Nature of Appointment	three years. However, the term can be extended based on the performance and requirements.

Age relaxation for submission of application:

5 years for candidates belonging to SC/ ST and 3 years for OBC candidates.

Mode of Selection:

The selection will be based on an interview.

General Instructions

- I. A scanned copy of the documents to prove age, qualifications, experience, etc. should be uploaded along with the online application and originals to be produced as and when called for. **Applications without attaching the above documents shall be summarily rejected.** No further chance will be given for submitting the same.
- II. Candidates, who are in the service of the Government of India or any of the State Governments, etc. while applying, should obtain a No Objection Certificate from their Head of Office or Department and keep it with them. If candidates fail to produce the No Objection Certificate as and when called for, his/her candidature will stand canceled.
- III. Candidates should ensure that the particulars furnished by him/her are correct in all respects. Anything not specifically claimed in the application against the appropriate field will not be considered at a later stage. No deviation whatsoever from the filled-in data will be entertained. In case it is detected at any stage of the recruitment that a candidate does not fulfill the eligibility norms and /or that he/she furnished any incorrect/false information or has suppressed any material fact, his/her candidature will stand cancelled. If suppression of material facts or furnishing of any incorrect/false information is detected even after the appointment, his/her service is liable to be terminated
- IV. Applications submitted without fulfilling the eligibility and other norms mentioned in this Notification as well as the instructions published in the Recruitment Portal of the University will be summarily rejected.
- V. In case of any discrepancy/ambiguity in the process of selection, the decision of the University shall be final and binding.
- VI. Consequent up on adoption of self- certification provisions as required by the Govt. of India, the University shall process the applications entirely on the basis of theinformation / documents provided with the application. The appointment will be provisional and subject to physical verification of the documents.
- VII. Applications submitted without fulfilling the eligibility and other norms mentioned in this notification as well as the instructions published in the recruitment portal of the University will be summarily rejected.
- VIII. Canvassing in any form will entail the cancellation of candidature.



How to Apply:

- I. Applications shall be submitted online latest on 10.07.2022. The application form is available at https://www.duk.ac.in/careers.
- II. KUDSIT may consider the Jobseeker profiles from the DWMS system (knowledgemission.kerala.gov.in) based on the matched skill sets and experiences.
- III. The applications received after the last date fixed or the incomplete applications or the applications without filling the relevant field will be summarily rejected.
- IV. No interim queries after the submission of the application will be entertained. The candidates will be intimated the schedule of the Test/ Interview through their registered email only.
- V. The candidates are advised to check their registered e-mails regularly after the last date fixed for the submission of the application.
- VI. The University has the right to cancel the advertisement or entire selection process at any stage without assigning reason thereof and the decision of the University shall be final.

Registrar

