HANSA **THARUKA**

Senior Software Engineer

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SUMMARY

As a Senior Software Engineer with a strong Java background, I specialize in backend technologies and microservices. I excel in adapting to new technologies and methodologies, demonstrating fast-learning capabilities and a commitment to innovation. With leadership skills that drive team success, I deliver robust, scalable solutions that meet complex business needs.

EDUCATION

University of Moratuwa- Sri Lanka

Honours Degree of Bachelor of Science in Information Technology (BScHons (IT)) (GPA: 3.01)

Esoft Metro Campus

International Diploma in Information Technology Pearson UK/Edexcel

TOOLS AND TECHNOLOGIES

- **Programming Languages**: Java, Python, Datawave, Shell Script, Groovy
- **Service Discovery and Configuration Management**: Consul, vault, Cyberarc, Conjur
- **ESB Technologies**: Mulesoft
- **IDEs**: InteljIDEA, Eclips, Anypoint Studio, Unity Studio
- **Build Tools**: Maven, Gradle
- **Application Servers**: JBOSS, Tomcat
- **Web Services**: SOAP, REST
- **Project Management**: JIRA
- **Automation**: Selenium
- **Database**: MySQL, Oracle DB, MongoDB
- **Cloud**: Docker, Kubernetes
- **Other Tools**: FileZilla, Postman, PuTTY client, ReadyAPI, SOAPUI, Toad, Practitest, Sumologic, New Relic.

PROFESSIONAL EXPERIENCE

Senior Software Engineer 2023 - Present (Virtusa)

Software Engineer 2020 - 2023 (Virtusa)

VIRTUSA (PVT) LTD

- **Extensive experience** in software design and development utilizing **Java Spring** and **Spring Boot** technologies and **Mulesoft**.
- **Proficient in containerization** with hands-on experience using **Docker** and **Kubernetes.**
- **Skilled in integration and deployment** with **SOAP Services, Oracle Databases, Sumo Logic, New Relic, PractiTest, Jenkins**, and **ReadyAPI**.
- **Expertise in Agile Software Development** methodologies.
- **Strong competence** in enterprise and web application **design and development**, including **Object-Oriented Analysis and Design, testing**, and **support maintenance**.
- **Experienced in frontend development** with technologies such as **HTML5**, **CSS3**, **JavaScript**, and related frameworks.
- **Adherence to clean code practices** and principles.
- **Knowledgeable in using Design Patterns** for software architecture and solutions.
- **Proficient in version control systems** including **SVN** and **Git**.
- **Excellent communication and influence skills** in client interactions and across all organizational levels, from senior leadership to team members.
- **Strong organizational skills**, with the ability to **plan, prioritize complex tasks**, **quick adapt to changes** and **multitask effectively**.

VOLUNTEERING

- Former Chef Technology Officer at
  STEMUp educational Foundation
- Former Lead of Volunteers at
  STEMUp educational Foundation
- Former Vice Secretary at
  Nature Team University of Moratuwa
- Co-founder and Lead at
  HiveMind Student Community

SKILLS

- Strong organizational and time-management skills
- Exceptional communication and interpersonal skills
- Ability to work independently and as part of a team
- Detail-oriented and able to handle multiple tasks simultaneously
- Fast learning skills

PROJECTS

Project	Foundation
Role	Software Engineer - Insurance Domain
Technology	Mulesoft, Java Spring, Bash Script, AWS, Sumologic, New Relic, Consul, Vault, Jenkins, AWS MSK, Kafka, Kerberos, AWS EKS
Project Description	Engaged in foundational tasks for project domain, including application management, CI/CD configuration, migration tasks, and team support. Interacted with clients and external parties, managing configurations and gateway applications.
Project Responsibilities	- Managed gateway proxies, implemented change requests, and tested deployments using MULE. - Handled CI/CD job configurations, script updates, and bug fixes. - Provided support to external (e.g., Fineos) and internal parties (e.g., GBS) for application debugging. - Assisted NYL team with technical support calls, log checks, and information provision. - Implemented code changes in Spring Boot applications. - Migrated communication API from Kafka to MSK in EC2. - Managed application configurations in Consul and Vault.

Project	WAS Migration
Role	Software Engineer - Insurance Domain
Technology	Java, OracleDB, IBM WebSphere, WildflyServer, Consul, Vault, Sumologic, New Relic
Project Description	Migrated legacy services from IBM WebSphere to WildFly servers and upgraded Java from version 6 to 8, addressing and fixing bugs throughout the process.
Project Responsibilities	- Investigated and analyzed legacy projects and code structures. - Identified and implemented necessary changes for migration from WebSphere to WildFly. - Determined required Java version upgrades. - Developed POC projects to connect to Consul and Vault for configuration management. - Conducted bug fixes post-migration and performed functional/JUnit tests. - Executed load testing and resolved load test failures. - Performed functional testing and fixed associated bugs. - Queried Oracle databases and tested payloads. - Monitored Sumo logs, performed Sumo queries, and debugged issues. - Used PractiTest for information tracking and management. - Reported solutions and bug fixes to clients.

Project	External Gateway
Role	Senior Software Engineer - Insurance Domain
Technology	Mulesoft, Shell Script, Java, Sumologs, Consul, Vault, MULE Runtime Fabric, AWS EKS
Project Description	Developed an application gateway using MuleSoft and Java to facilitate secure and efficient communication between disparate systems, ensuring seamless data integration and API management.
Project Responsibilities	- Design and Implement Secure APIs: Develop and implement secure APIs using MuleSoft, ensuring robust authentication and authorization mechanisms. - Manage API Traffic: Configure and manage API traffic, including rate limiting and throttling, to prevent abuse and ensure reliable performance. - Data Encryption: Implement data encryption both in transit and at rest to protect sensitive information from unauthorized access. - Monitoring and Logging: Set up comprehensive monitoring and logging to track API usage, performance, and detect potential security threats in real-time. - Compliance and Best Practices: Ensure that the API gateway complies with relevant security standards and best practices, conducting regular security audits and vulnerability assessments.

Project	Vault to Conjur Migration
Role	Senior Software Engineer - Insurance Domain
Technology	Java, Cyberarc, Conjur, MULE, Sumologs, AWS, MULE Runtime Fabric
Project Description	Developed and executed a migration project to move secure properties from Vault to CyberArk using Conjur, successfully transitioning both Spring Boot and MuleSoft services.
Project Responsibilities	- Updated the existing configuration service to support and connect with Conjur. - Created a new Java dependency for Spring Boot applications to pull configurations during startup. - Developed a Java dependency for Spring Boot applications running on WildFly servers to pull configurations during startup. - Formulated a comprehensive migration plan to ensure seamless service transitions. - Created dashboards to verify and monitor the migrated services. - Handed over the migrated services to the respective teams.