



Osanda Dileepa Wedamulla

PERSONAL DETAILS

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ADDRESS

Colombo, Sri Lanka

NATIONALITY

Sri Lankan

SKILLS

Java (8, 11, 15, 17)

JavaScript/TypeScript

HTML/CSS

Golang

Kotlin

Python

Rust

Shell/Bash

AngularJS/Angular 2+

React/Next.js

Spring MVC/Boot

Spring Cloud

PROFILE

Experienced Full Stack Software Engineer with 8+ years in the software industry. Proficient in requirement analysis, design, implementation, testing, and management of complex software applications, ensuring strict up-time adherence. Committed to delivering enterprise-level software solutions with exceptional performance. Driven by a passion for technical innovation, consistently creating world-class software applications and products. Demonstrated expertise in automating and optimizing operations, streamlining processes, and developing tools for deployment, monitoring, troubleshooting, and issue resolution across all development stages and production environments.

MOST RELEVANT WORK EXPERIENCE

Sr. Full Stack Developer - Team Lead | V Fullstack (Private) Limited

APRIL 2021 COLOMBO, SRI LANKA

- Prioritized delivering new features and attend to critical production bug fixes for web applications with Scrum and Kanban based development methodologies.
- Improved overall code quality by 30% in the entire team by guiding to use best practices and suitable design pattern and SOLID principles in development.
- Developed RESTful web services with Spring Boot/Cloud Reactive to deliver highly scalable web applications to access high number for concurrent users.
- Skilled in deploying and managing applications on AWS, utilizing appropriate cloud services to ensure scalability, reliability, and performance
- Wrote test cases with JUnit, Mockito, TestContainers, Spring MVC Test, Spring Test Context Framework, SpringBoot Test and karate Testing framework.
- Actively contributed to the development and maintenance of projects, including database modification/optimization, service enhancement and integration.
- Integrated SonarCube, CheckStyle and PMD based static code analyzers in CI/CD pipelines to provide best code practices and code quality.
- Deployed and managed applications on managed/on-premises Kubernetes clusters utilizing Helm Charts and ArgoCD for efficient automated deployment and maintenance of production-ready applications.
- Wrote, executed and managed Bash and shell scripts to automate various tasks and related activities.

Software Engineer / Sr. Software Engineer | Remote Sensing Metrics Asia (Pvt) Ltd.

DECEMBER 2015 - MARCH 2021 COLOMBO, SRI LANKA

- Led design, architecture, and development of all web applications throughout the entire software development lifecycle, ensuring successful deployment.
- Developed and maintained dynamic web applications by integrating multiple data feeds from various sources using technologies such as Spring Boot, Java, Angular, MySQL, PostgreSQL, MongoDB and Redis.
- Utilized Spring Security, OAuth2, Keycloak, and other security adapters to effectively manage access control across applications. Implemented a centralized authentication server JBoss/Keycloak with spring boot adapters for secure hosting on AWS servers.
- Depth hands on experience in requirement analysing, software designing and architecting, implementing, testing, managing and monitoring complex software systems with stringent up time requirements.
- Oversaw the migration process of all applications to the AWS environment and successfully resolved any production issues that arose.
- Collaborated with relevant parties to create disaster recovery plans, ensuring the smooth operation and stability of products.
- Identifying technology limitations and deficiencies in existing systems, processes, procedures and methods to overcome project development related issues.

Hibernate/MyBatis



OpenAPI/Swagger



Flyway/Liquibase



Apache Kafka/RabbitMQ



MySQL/MariaDB



PostgreSQL



MongoDB



Redis



BlazeGraph (RDF)



OracleDB



Docker/Kubernetes



Ansible/Terraform



Minio/Longhorn/Harbor/Vault



AWS



GCP/DigitalOcean/Linode



REST/GraphQL



Git(GitHub, GitLab, Bitbucket)



Agile (Scrum/Kanban)



Reactive/Functional Programming



Prompt Engineering



WEBSITE & SOCIAL LINKS

[Personal Website](#)

[LinkedIn](#)

TECHNICAL PROFICIENCY

- Proficient in intercommunication between Microservices through RESTful APIs using tools and frameworks such as RestTemplate, WebClient and FeignClient.
- Developed resilience and scalable Microservices using suitable design patterns.
- Developed, managed, and deployed Microservice and Monolithic based applications using Spring Boot and Spring Cloud (Eureka, API Gateway, Config Server, Resilience4j, Seluth)
- Implemented stateless authentication using JWT within Spring Security, enabling secure and scalable identity management for RESTful APIs.
- Documented security configurations and best practices, facilitating knowledge sharing and promoting secure coding standards within the team.
- Integrated Apache Kafka and RabbitMQ messaging with Spring Boot applications for efficient real-time data processing following event-driven architecture.
- Created CI/CD pipelines with automate tests and proficiently managed the creation, publication, and maintenance of Docker images, integrating robust vulnerability scanning and adhering to industry best practices to ensure the security and integrity of deployed applications.
- Familiarity with DevOps practices, including deploying Java, Spring Boot, Angular based web applications using Maven, Gradle, Node, Docker
- Deployed and Monitored applications in AWS production environments, leveraging AWS CLI, CloudWatch, RDS (MySQL, PostgreSQL), EC2, EKS, ECS, ECR, and S3.
- Implemented Docker file to create docker images with single and multi-stage Docker builds for applications with different environment configurations.
- Utilized Ansible configuration management to maintain and monitor Linux based servers with parallel shell script execution, private key based access management, file transfer, service management and package installation and update.
- Developed customized Ansible Modules and Roles with Python for streamlined automation of repetitive workflows and task automation.
- Maintained, managed and monitored Kubernetes cluster and it's related applications and services using tools like Prometheus, Grafana and Linkerd.
- Used ELK stack to capture, manage and visualize logs in production.
- Orchestrated centralized authentication with KeyCloak for different clients and realms to manage OIDC login across multiple applications (GitLab, Vault, Harbor, Longhorn, Minio, k8s clusters).

ACHIEVEMENTS

- Achieved a 90% increase in productivity by automating repetitive tasks, including testing, deployment, and monitoring, while streamlining CI/CD pipelines. This resulted in a faster time to market for software releases, enhancing operational efficiency, and enabling the team to focus on high-value activities
- Implemented efficient logging and monitoring solutions, providing real-time insights into application behavior and state with 60% decrease with time in terms customer support response and troubleshooting.
- Introduced industry best practices in security, scalability, code optimization, and DevOps resulting in 40% improved code quality, system reliability, and overall performance of deployed applications.
- Committed to staying updated with the latest industry trends and technologies.

EDUCATION

Bachelor of Science Special Degree in Computing And Information Systems
| Sabaragamuwa University of Sri Lanka

OCTOBER 2011 - MARCH 2016 BELIHULOYA, SRI LANKA