

MALITH ILEPERUMA

DEVOPS ENGINEER

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LinkedIn • GitHub • Stackoverflow • Medium

PROFESSIONAL SUMMARY

Results-driven DevOps Engineer with 6 years of experience in software development, cloud automation, infrastructure as code (IaC), and CI/CD pipeline optimization across AWS and Azure platforms. Proven expertise in cloud cost optimization, large-scale cloud migration, and building secure, resilient, and scalable systems for financial and enterprise environments. Skilled in Terraform, Ansible, Kubernetes, Helm, Jenkins, GitLab, Docker, and monitoring tools like Prometheus, Grafana, Datadog. Adept at leading cross-functional teams, mentoring engineers, and driving innovation to improve deployment. Strong track record in incident response, system reliability engineering, and database performance tuning, with a passion for automation, continuous improvement, and delivering business value through technology.

PROFESSIONAL EXPERIENCE

DEVOPS ENGINEER LONDON STOCK EXCHANGE GROUP

2023 January – 2025 May
FINLAND (REMOTE)

Worked in multiple projects in London Stock Exchange Group, including London Stock Exchange and Trading Surveillance

- Achieved a 35% reduction in cloud costs, saving \$75,000 annually through cloud cost optimization, automation, and governance strategies.
- Led cloud migration, transitioning on-prem servers to cloud, optimizing resource utilization and improving security by using separate cloud accounts, significantly enhancing cloud infrastructure management.
- Spearheaded creation of NFT tools for cloud-native systems and led Chaos Engineering initiatives, improving system resilience and performance testing, driving a 20% reduction in downtime and boosting application uptime during failures.
- Mentored and led cross-functional teams to optimize CI/CD pipelines Jenkins, GitLab, ArgoCD, Terraform, Ansible and EKS, improving workflow efficiency and increasing productivity by 25% through automation.
- Implemented and maintained Kubernetes RBAC policies and network segmentation in Kubernetes, enhancing security and enabling efficient multi-team access.
- Owned the cloud accounts, automation pipeline, reducing deployment times and provisioning time by 40% using Terraform and Ansible, while also cutting error rates by 35%, accelerating the delivery of new features and fixes.
- Collaborated with development teams to optimize application migration, ensuring seamless integration with infrastructure for both microservices and monolithic architectures.
- Led incident response efforts, conducting root cause analysis and implementing corrective actions, improving system availability and minimizing downtime.
- Adopted AI assisted tools to streamline infrastructure automation and CI/CD pipeline automation, while enforcing governance measures to prevent exposure of sensitive data to external AI systems.
- Monitoring cloud clusters, utilizing Prometheus, Grafana, and Datadog to create monitoring graphs that track application performance, ensuring high availability and early detection of system issues.

DEVOPS ENGINEER ZEBRA TECHNOLOGIES

2022 January - 2023 January
SRI LANKA

Led and managed DevOps workflows as part of the Software Engineering team for delivering zebra scanner SDK and tools

- Led DevOps workflows as part of the Software Engineering team, delivering Zebra products, transforming development processes, and improving team productivity by 30% through streamlined pipelines.
- Took ownership of cloud migration projects, transitioning services from on-premise to Azure, improving cloud scalability, security, and resource utilization through automation.
- Designed and implemented CI/CD pipelines from scratch using Jenkins, Terraform, Ansible, and Kubernetes, reducing deployment times by 50% and improving the overall delivery process.
- Automated testing with Gtest and Selenium, cutting QA efforts by 40%, accelerating feedback loops, and improving software reliability.

- Optimized database performance by performing database queries, indexing, caching, data purification and improving data integrity, resulting in faster data processing and reduced resource consumption.
- Streamlined collaboration between Dev, DevOps, QA, and BA teams, automating report generation and accelerating release cycles by 15%.
- Implemented monitoring with Prometheus and Grafana, reducing issue resolution time by 20% and enhancing system uptime. Troubleshoot system issues, cutting incident reports by 25% and improving system performance through better monitoring and logging.
- Developed Terraform modules for automating infrastructure provisioning, and wrote PowerShell and shell scripts to automate deployment tasks, reducing operational overhead by 40%.

SOFTWARE ENGINEER SY LABS

2019 July - 2021 June
SRI LANKA

Working in a rental service startup and managing DevOps workflows and Full Stack Development

- Developed and deployed a rental service platform with real-time location tracking and user management, enhancing user experience and system performance.
- Built and maintained web apps using React, Node.js, and PostgreSQL, ensuring efficient data management and scalability.
- Implemented user authentication and RBAC with JWT, OAuth 2.0, and SSL/TLS, securing user access and enhancing system security.
- Created CI/CD pipelines with Jenkins and Docker, reducing deployment times by 40% and improving team collaboration.
- Optimized database performance and automated infrastructure provisioning, ensuring data integrity and efficient deployment.
- Applied design patterns, SOLID principles, and clean code practices to ensure maintainable and scalable software.

TOOLS AND TECHNOLOGIES

- **Cloud Platforms** – AWS, Azure
- **CI/CD Tools** - Jenkins, Bamboo, GitLab CI/CD, Github Actions, ArgoCD
- **Containerization & Orchestration** - Docker, Kubernetes, Kustomize, Helm
- **Infrastructure as Code (IaC)** – Terraform, Ansible
- **Programming Languages** - Python, Bash, PowerShell, Typescript, Java, C++, Go
- **Source Code Management** - GitHub, BitBucket, GitLab
- **Databases** - MySQL, MongoDB, PostgreSQL, Kafka, DynamoDB
- **Monitoring & Logging Tools** - Prometheus, Grafana, DataDog, Azure Monitor
- **Frameworks** - ReactJS, Node.js, SpringBoot
- **Security** – Securiy Automation, Vulnerability Assesments, Compliance (GDPR,ISO)
- **Others** – Agile(Scrum/Kanban), SOLID, Design Patterns, Okta

EDUCATION

SUOMEN KIELI (A1-B1)
Arffman Oy

Oulu, Finland
2025/2026

BACHELOR OF SCIENCE (HONS) IN COMPUTER SCIENCE
General Sir John Kotelawala Defence University

Rathmalana, Sri Lanka
2021

LICENSES AND CERTIFICATIONS

- AWS Certified Solution Architect - Associate (SAA-C03)
- Microsoft Certified - Azure Administrator Associate (AZ-104)
- Microsoft Certified - Azure Security Engineer Associate (AZ-500)
- Sun Certified Java Developer - Sun Microsystems

LANGUAGES

- **Sinhala (Native)**
- **English (Fluent)**
- **Finnish (A2)**