

JAYSON MULWA

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Professional Summary

Highly accomplished Software and DevOps Engineer with over 6 years of experience in designing, building, and scaling robust code and infrastructure, coupled with proven leadership in managing high-performing engineering teams. Successfully led the creation of 4 new SaaS products and numerous ERP implementations for Wavuh, and significantly contributed to the rapid launch and global scaling of SOOP's platform. Helped drive go-to-market strategies and optimize development workflows.

Work Experience

DevOps Engineer
January 2024 - Present

LEDR Technologies, Singapore

- **CI/CD Pipeline Implementation:** Spearheaded the setup and optimization of CI/CD pipelines for multiple projects, integrating automated tests, quality assurance processes, and accelerating deployment speed in alignment with GitFlow methodologies.
- **Platform Engineering:** Created internal and external wikis as well as a system for feedback and version control of the documentation; introduced novel monitoring and alerting integrations between our running application and MS Teams, the internal chat application, thus decreasing response time to any occurrences.
- **SysOps & Infrastructure Administration:** Managed critical infrastructure tasks, including user access provisioning, server troubleshooting, and bash scripting (automation) to accomplish various tasks.
- **Security:** Implemented security monitoring tools for proactive threat detection and configured static code analysis tools to ensure high-quality, secure code. Conducted vulnerability management and remediation. Actively participated in security audits, contributing to successful ISO 27001 certification efforts.
- **Docker Migration Support:** Provided hands-on support to engineering teams during migrations to Docker and Docker Compose, improving development and deployment workflows.

Senior Software Engineer
July 2023 – December 2023

Senga Technologies, Kenya

- Developed and optimized the Shipper's app using ReactJS and Ruby-on-Rails, alongside supporting internal platforms.
- Engineered and re-architected CI/CD pipelines, significantly reducing deployment time and enhancing code quality.
- Improved AWS infrastructure security and cost-efficiency through comprehensive audits, IAM reviews, and spend alerts.
- Led software team agile ceremonies (daily stand-ups, retrospectives, sprint planning) and introduced incident management best practices.
- Enhanced platform usability and adoption by training new users and implementing user analytics.

Part-time Lecturer
Jan 2023 – May 2023

Jomo Kenyatta University of Agriculture and Technology, Kenya

- Guided 100 Geomatic Engineering and Geospatial Information Science students to design programs and apply the programming languages to write code and solve problems in C.
- Created lesson plans that cover the Introduction to computer programming (with C language); and conducted assessments

Software Engineer and VP of Engineering
September 2020 - June 2024

SOOP, New Zealand

- Led cross-functional teams (front-end, back-end, mobile) to develop the SOOP Food Hygiene Management Platform.
- Spearheaded system design, translating requirements into technical specifications, and ensured smooth CI/CD workflows.
- Managed AWS infrastructure, optimized resource utilization, and migrated to Kubernetes for scalability.
- Implemented comprehensive code review testing strategies, improving software quality and reducing technical debt.
- Led sprint planning, task allocation, and daily reviews to ensure project milestones were met within scope and budget.
- Provided technical support and training for clients and resellers, and mentored team members through 1-on-1s and pair programming.
- Fullstack development with (VueJS, NuxtJS, NodeJS, PHP, Go, AWS); and Integrated Bluetooth-based and LoRaWAN-based sensors (IoT) with the application.

Software Engineer
September 2018 - August 2020

Wavuh, Kenya

- Developed and maintained four software products: Wavuh ERP, Monitoring and Evaluation Software, Wavuh CRM, and WavuhBima (for insurance agents).
- Conducted requirements gathering and validation as part of ERP implementations.
- Provided training to users and provided ongoing technical support.
- Mentored and onboarded new engineering hires, fostering a collaborative environment and accelerating their productivity.

Skills

- **Languages:** PHP, Go, JavaScript, Typescript, C, Ruby, Python, Java
- **Backend:** NodeJS(Express, NestJS), PHP(CodeIgniter, Laravel), Golang, GraphQL, TypeORM, GORM, Ruby on Rails, FastAPI, Spring Boot
- **Frontend:** HTML, CSS (Bootstrap CSS, Tailwind CSS, Material UI), JavaScript(VueJS, NuxtJS, ReactJS, jQuery), Electron, Webpack, NPM
- **Databases:** MySQL, PostgreSQL, Oracle DB, Redis, MongoDB

- **Devops:** CI/CD (Gitlab CI, Github Actions), AWS(Lambda, EC2, S3, RDS, CloudFront, ECR, EKS, Elasticache (Caching), ELB (Load balancers), SQS (Queues), Codeploy etc.), Linux, Kubernetes, Docker, Docker Compose, Reverse proxies (Traefik, Caddy, Nginx), Automated Testing, Monitoring Alerting (Prometheus, Grafana), Code Versioning.
 - **Security:** SonarQube, Wazuh, InsightVM, Nmap, WireShark
 - **Other Technical Skills:** Systems Design/ Distributed systems, Web Services, APIs, Data Structures and Algorithms, Databases, Development Methodologies, Testing (Unit tests, Acceptance tests, Load tests, Pentesting), Cyber security (Incident Management, Vulnerability management), Engineering management, Product Management, Lecturing/Teaching.
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Education

- **Master of Science in Software Engineering** *Jomo Kenyatta University of Agriculture and Technology, Kenya, Kenya*
In Progress
 - **Bachelor of Science in Computer Science** *Jomo Kenyatta University of Agriculture and Technology, Kenya, Kenya*
Graduation Date: July 2018
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Notable Certifications

- **CompTIA Security+ ce Certification** - CompTIA (Professional certification) - September 2024
- **Introduction to Kubernetes** - Linux Foundation - July 2025
- **The Bits and Bytes of Computer Networking** - Google - July 2024
- **Practical Introduction to Quantum-Safe Cryptography** - IBM - September 2024
- **Bash Scripting and Shell Programming (Linux Command Line)** - Udemy - August 2024
- **DevOps in the Cloud with Terraform, Ansible, and Jenkins** - Udemy - May 2014