

POFESSIONAL SUMMARY

Software Engineer with practical experience in Java, JavaScript, Python and developing both frontend and backend components. I am skilled in automated testing and CI tools like Jenkins, GitLab CI/CD, Selenium, JUnit, and JMeter. Experienced in building reliable, scalable, and maintainable software with a focus on code quality, performance, and Agile team collaboration. Dedicated to continuous learning and delivering efficient, user-friendly applications.

EDUCATION

Cardiff University- Applied Software Engineering	Cardiff, United Kingdom 2022 – 2025
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SKILLS SUMMARY

- **Languages:** JavaScript, Python, Java, Kotlin.
- **Testing & Automation:** JUnit, Selenium, JMeter, GitLab CI/CD, Jenkins.
- **Database Expertise:** MySQL, SQLite3, SQLAlchemy.
- **Web Development** Django, Spring Boot, Next.JS, Tailwind CSS.
- **Version Control:** Git.
- **DevOps:** Linux, Vagrant, AWS, Docker, NGINX, Terraform.

WORK EXPERIENCE

JUNIOR SOFTWARE DEVELOPER eProd Solutions	June 2024 - Sept 2024
Nairobi, Kenya	

- Built a Delphi-based installer for the e-prod with real-time error logging using Grijjy Remote Logger
- Used Jira and OpenProject to coordinate and track team progress
- Deployed Wazuh on Ubuntu for threat detection and response
- Contributed to EUDR compliance via polygon mapping and documentation

OPEN-SOURCE RESEARCHER - Centre for Information Resilience	Oct-2024 - Dec-2024
Cardiff, United Kingdom	

- Investigated human rights violations for the Myanmar Witness Project using OSINT techniques, including geolocation, chronolocation and tools like Sentinel and Google Earth Pro
- Expanded research reach through foreign-language SEO, produced detailed advocacy reports, and strengthened collaboration and real-world investigative skills

PROJECTS

Alacrity Data Sharing Platform Link (Awarded as the best project)	January 2025 - April 2025
• Developed a no-code web platform for encrypted healthcare data sharing to support privacy-preserving AI/ML research. • Implemented Fernet and homomorphic encryption, ensuring privacy during computation and download for AI/ML. • Set up GitLab CI/CD pipelines with 60% enforced code coverage, linting, and documentation checks for frontend and backend. • Wrote Jenkins, Terraform, and shell scripts to containerize all 6 services with Docker; configured NGINX for secure routing; automated deployment via webhooks, reducing deploy time to under 2 minutes. • Built and optimized upload, encryption, download, and analysis features via caching and added 3-level access control and dashboard • Served as Scrum Master, led sprint planning, reviews, and client demos for the Alacrity Foundation.	
Individual Android App Development Link	April 2024 - May 2024
• Developed an Android app enabling user authentication with Firebase and skill listing. • Implemented location-based search to identify nearby service providers, displaying contact info and service costs. • Integrated a user review system, collecting and displaying feedback to improve service quality and user trust.	
Spring Boot Team Project Link	Nov 2023 – Dec 2023
• Developed an employee peer review platform with dynamic forms, approval workflows, and role-based dashboards, supporting simulated workflows for up to 100 users and processing 200+ review submissions in testing scenarios. • Implemented backend logic for review requests, approvals, and authentication, supporting 100 concurrent users securely. • Conducted JMeter and VisualVM performance testing, optimized system performance under simulated peak concurrent load. • Deployed the system using Terraform, OpenStack, and shell scripts, reducing deployment time to under 5 minutes. • Scrum Master for 2 sprints, led planning, stand-ups, retrospectives, and client demos, achieving over 90% sprint goals.	

CERTIFICATES

- IBM DevOps and Software Engineering Professional Certificate (Jan 2025 – April 2025) [[Credentials](#)]
- Microsoft Certified: Azure AI Fundamentals (May 2025) [[Credentials](#)]
- Docker Foundations Professional Certificate (May 2025) [[Credentials](#)]
- Microsoft Certified: Azure Fundamentals (June 2025) [[Credentials](#)]
- Microsoft Certified: Azure Data Fundamentals (July 2025) [[Credentials](#)]
- Global Mentorship Initiative (GMI) 2024