

Rusiru Fernando

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TECHNICAL PROFILE

- **Cloud** – Microsoft Azure, Amazon Web Services, Google Cloud Platform, Digital Ocean.
- **Operating Systems** – Linux, Windows Server.
- **Version Control** – Git (GitHub, Gitlab, Bitbucket, CodeCommit).
- **DevOps and CI/CD** – Jenkins, GitHub Actions, Docker, Kubernetes, Terraform.
- **Monitoring Tools** – Grafana, AWS CloudWatch, Azure Monitor.
- **Development and Scripting** – Python, Java, Bash, Shell.
- **Virtualization** – VMWare, Virtual Box, KVM.
- **Project Management** – Jira, ClickUp, Miro, GitHub Projects.
- **Databases** – SQL, NoSQL.
- **Other** – Networking, Fullstack development, MS Office Suite, Documentation (Confluence, GitHub Wiki)

EDUCATION

Postgraduate in DevOps for Cloud Computing

Sep 2023 – May 2025

Lambton College

BEng. in Software Engineering

Sep 2018 – May 2022

University of Westminster

WORK EXPERIENCE

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Apr 2024 – Present

Toronto Public Library

- Ensured 95% accuracy in sorting and shelving 500+ materials weekly, showcasing strong attention to detail.
- Reduced daily maintenance time by 20% by efficiently handling ancillary tasks and enhancing time management.
- Accelerated material processing by 30% via teamwork, improving communication and collaboration.
- Achieved 90% success in troubleshooting audiovisual equipment, strengthening problem-solving skills.
- Boosted positive feedback by 15% by assisting patrons and maintaining a tidy environment, demonstrating customer service excellence.

Software Engineer

Apr 2024 – Aug 2024

Prop-AI

- Implemented highly efficient Meta and LinkedIn web scraping scripts using Python to scrape real estate properties.
- Successfully deployed and maintained cloud-native web scraper services on AWS, achieving 99.9% uptime.

- Streamlined CI/CD with GitHub Actions and Docker, cutting deployment time by 80% and saving 15+ hours per week on manual tasks.
- Implemented Slack and email alerts for resource issues, improving response times by 90% per client SLAs.
- Implemented monitoring measures for applications in AWS, resulting in over 50% faster resolution times when incidents occur.
- Proactively monitored web scraper results and alerts via AWS CloudWatch, adhering to SLA targets.

Software Engineer

Aug 2020 – Aug 2024

Avantrio (Pvt) Limited

- Advanced from Intern to Software Engineer, also focusing on DevOps and Cloud Computing, specializing in the healthcare sector, serving 15,000+ patients in the UK.
- Increased patient engagement by 90% and new patients by 30% monthly through alert and reporting systems.
- Optimized cloud practices in AWS, enhancing BI efficiency by 70% with secure RDS deployments and read replicas.
- Maintained 99% uptime using CloudWatch, auto-scaling, and ELB for traffic distribution and resilience.
- Led critical incident support, reducing resolution times by 20% and achieving 80%+ customer satisfaction.
- Ensured NHS compliance with strict adherence to standards and protocols.
- Integrated third-party services (mailing, SMS, payments) focusing on SLA-driven performance and stability.

VOLUNTEER EXPERIENCE

Academic Tutor

May 2024 – May 2025

Lambton College

- Tutored students in 5 subjects: Python Programming, Virtualization, Cloud Computing, DevOps Fundamentals and Linux Server Administration.
- Provided personalized support for 1-3 students per term, clarified complex concepts, and provided practical insights into each subject area, resulting in over 90% student satisfaction and a 100% success rate.
- Contributed over 6 hours per week to the tutoring sessions.

Tech Co-Lead – Google Developer Student Club

Jan 2024 – May 2024

Lambton College

- Conducted over 5 interactive workshops covering the topics of Cloud Computing, APIs, Version Control, and Fullstack development with over 20 students on average per session, with over 90% student satisfaction.
- Assisted in organizing 2 hackathons, increasing the club engagement by over 50%.