

Rusiru Fernando

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Portfolio: <https://rusiru.me/>

Education

Postgraduate, DevOps for Cloud Computing

Sept 2023 – May 2025

Lambton College, Toronto, ON, Canada

- 3.64 GPA – Fall 2023.
- Dean's Honor List - Fall 2023

Bachelor of Engineering, Software Engineering

Sept 2018 – May 2022

University of Westminster, London, United Kingdom

- First Class Honors
- Research: Decentralized Immunization Passport Verification using Blockchain

Skills & Qualifications

- **Passionate, curious**, and committed to learning new things each day.
- **Open-minded** to learn, un-learn and re-learn.
- **Energetic, motivated**, and **creative** when solving complex problems.
- Strong **analytical** and **problem-solving** skills.
- Great **collaborator**, capable team leader and **supportive** mentor.
- Strong **technical communication**, **presentation**, and **verbal** skills.
- Proficient in **Java**, **Python**, **Elixir**, **Rust**, and **JavaScript**.
- Proficient in **Bash** scripting.
- Hands-on experience with SCM tools: **GitHub**, **Bitbucket** and **GitLab**.
- Familiar with CI/CD tools and practices: **Jenkins**, **GitHub Actions**, **Docker**.
- Expertise in SQL and NoSQL databases: **MySQL**, **PostgreSQL**, **SQL Server**, **MongoDB**.
- Experience in **machine learning** on **AWS**: Glue, Athena, QuickSight, SageMaker.
- Experienced in backend frameworks: **Spring Boot**, **Django Rest Framework**.
- Experienced in front-end web frameworks: **React JS**, **Angular**, **Vue.js**.
- Experience working on the cloud: **AWS**, **Azure**, and **Digital Ocean**.
- Proficient in both **Linux** and **Windows Server** work environments.
- Familiarity with **Agile** methodologies.

Related Work Experience

Intern/Associate Software Engineer – Avantrio (Pvt) Ltd. – Colombo, Sri Lanka *Aug 2020 – June 2023*

- Worked as a **full-stack developer** specializing in healthcare, catering for over 15,000 patients in the United Kingdom with over 20 doctors and specialists onboard.
- Played a crucial role in developing the **backend** for an electronic prescription portal and is one of the few legal entities to issue electronic prescriptions within the United Kingdom in collaboration with the National Health Service (NHS).
- Developed the **backend** for scheduled reporting and alerts for patients, doctors, and admins, which needs to be precise and accurate as it contains health data and other business-related information.
- Achieved a customer boost, a 60% increase in consultations, and a 50% increase in revenue monthly during and after the pandemic season, with almost 1000 consultations each month.
- **Streamlined pipelines** and **cloud** environments for reliable delivery of products to end customers via Amazon Web Services (**AWS**).

Volunteer Experience

Tech Co-Lead – Google Developer Student Club, Lambton College, Toronto *2024 – Present*

- As a Tech Co-Lead, I play a pivotal role in shaping the technical direction of our club.
- My responsibilities will include mentoring members, leading projects, and staying current with the latest technologies.

Team Lead – Cutting Edge, Informatics Institute of Technology (IIT), Sri Lanka *2019 & 2022*

- Led a team of 10 catering to over 100 high school students.
- Prepared and tested over 100 algorithms and codes in the Hackerrank platform for the competition.
- Ensured that all volunteers were up-to-date and in sync with the work.

Treasurer – Institution of Engineering and Technology (IET), Sri Lanka *Oct 2019 – Aug 2020*

- Founding IET on-campus Informatics Institute of Technology (IIT) executive committee member.
- Handled finances of the IET club at the Informatics Institute of Technology (IIT).
- Organized significant events such as Google Hash-code and Google Study Jams.
- Delivered workshops on up-and-coming technology trends and industry adaptations in Universities across Sri Lanka.

WordPress developer – support4schools, Sri Lanka *Sept 2019 – Dec 2019*

- Volunteered as the developer for the support4schools website, which caters to the needs of rural schools.
- As a result, increased transparency resulted in donations from around the world catering to over 50 rural schools in Sri Lanka.
- Handled updates and changes for the website parallel to future works.

Treasurer/Volunteer – Institute of Electrical and Electronics Engineer (IEEE) *Sept 2018 – Aug 2021*

- Managed finances of International IEEE events such as Youth Endeavors for Social Innovation Using Sustainable Technology (YESIST) for Sri Lanka in 2019.
- Organized events such as IEEEExtreme, which is a worldwide 24-hour hackathon.