Banura Randika Perera

Senior Software Engineer | Ruby on Rails | Backend & Platform Engineering

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PROFILE

Senior Software Engineer with 7+ years of experience building, evolving, and maintaining production software, specializing in **Ruby on Rails**. Experienced in modernizing large-scale applications, leading technical initiatives, mentoring engineers, and delivering reliable, scalable solutions for international clients. Strong background in backend engineering, application architecture, performance optimization, and AI-powered product development, including AI orchestration and API-driven integrations. Experienced with **Go, JavaScript, and Python**, and modern AI-assisted development tools.

PROFESSIONAL EXPERIENCE

Flightlogger, *Senior Software Engineer* 2024 – present | Denmark (Remote)

Contribute to the development and modernization of FlightLogger, a SaaS aviation management platform serving flight schools and aviation organizations.

- **Led four major Ruby and Rails upgrades**, modernizing the technology stack, improving dependency and security compatibility, reducing maintenance overhead, and enabling newer framework capabilities while maintaining production stability.
- **Led a remote team of four engineers**, owning technical decisions and delivery while driving implementation and maintaining high engineering standards.
- **Contributed to architectural improvements and platform modernization**, supporting long-term maintainability and code quality.
- **Developed LLM-powered product features** by integrating AI APIs into the platform.

99X , *Associate Technical Lead / Senior Software Engineer* 2022 | Sri Lanka

Worked on a Ruby on Rails-based ERP SaaS platform supporting complex supply-chain and trading workflows, connecting manufacturers, suppliers, importers, wholesalers, and end customers.

- **Led two major Ruby and Rails upgrades end-to-end**, owning planning, implementation, testing, and deployment while maintaining production stability and minimizing disruption.
- **Owned feature delivery across multiple ERP modules**, translating business requirements into technical designs and implementing complex business workflows.
- Applied clean architecture and best practices to maintain application quality, and maintainability.

Zone 24x7 , *Senior Software Engineer / Software Engineer* 2021 | Singapore (Remote)

- Contributed to the development of an enterprise-level Ruby on Rails platform for a telecommunications provider as part of an international engineering team.
- Developed and maintained application features, supported system migration initiatives, and expanded the use of Go within the project.
- Implemented unit and integration tests to improve application reliability and maintainability.

Fidenz Technologies , *Associate Software Engineer* 2019 | Sri Lanka

- Delivered end-to-end web application development, from initial design through client release.
- Built and deployed production-ready Ruby on Rails applications and maintained existing systems through feature development and bug fixes.
- Collaborated directly with clients to solve technical challenges and deliver project requirements.
- Developed additional experience with Docker, Java, and .NET, including implementing a Spring Boot application using GraphQL and Elasticsearch.

PROJECTS

Order Management System – Telecommunications Platform
Contributed to the development of a Ruby on Rails platform for a Singapore-based telecommunications provider, supporting order management and customer subscriptions. Implemented features enabling customers to purchase plans, manage services, and interact with the platform while collaborating with an internationally distributed engineering team.

Technologies: Ruby, Rails, PostgreSQL, Java, Jenkins, Rollbar

Healthcare Collaboration Platform – Doctors and Dosimetrists
Led the development of frontend and backend components from scratch for a healthcare platform connecting doctors and dosimetrists in the United States. Delivered a production-ready first phase using Ruby on Rails and StimulusReflex, implementing core functionality and interactive user experiences.

Technologies: Ruby, Rails, PostgreSQL, StimulusReflex, AWS, JavaScript, CSS

Strata Law Management Platform – Australia
Developed and enhanced a strata law management platform for the Australian property sector, collaborating remotely with an international client. Designed and implemented RESTful APIs in Ruby on Rails to support a React-based frontend and extend backend functionality.

Technologies: Ruby, Rails, REST APIs, PostgreSQL, React, JavaScript, CSS

Yoga Platform – Australia
Enhanced a platform connecting yoga studios, classes, and enthusiasts across Australia by implementing new features and improving existing functionality. Refactored application components to improve code structure and maintainability.

Technologies: Ruby, Rails, PostgreSQL, AWS, Stripe, JavaScript, CSS

Open Source Development
Developed and published Ruby gems, including an ***ActiveAdmin integration with Google Places*** and an ***SEO solution for Rails applications*** . Contributed to the maintenance of the ***mongoid-locker*** gem and developed a ***Go-based API*** for generating and validating Sri Lankan National Identity Card numbers.

Technologies: Ruby, Rails, ActiveAdmin, MongoDB, Go, REST APIs

Bone Abnormality Detection
Developed a ***bone abnormality detection system*** using machine learning and deep learning. Trained convolutional neural networks to analyze medical imaging data for my final-year research project.

Technologies: Python, TensorFlow, Keras, Jupyter Notebooks, React, Linux

TECHNICAL SKILLS

Languages — Ruby, Go, JavaScript, Python | **Backend** — Ruby on Rails, Go, REST APIs, GraphQL | **Frontend** — React, Stimulus, CSS, HTML, Inertia.js | **Databases** — PostgreSQL, MongoDB, Redis | **AI & Development Tools** — AI Orchestration, LLM Integration, Claude, Cursor | **Engineering** — Application Architecture, Performance Optimization, Technical Leadership, Cloud & DevOps

EDUCATION

Sri Lanka Institute of Information Technology,
BSc (Hons) Bachelor degree, Information Technology specialized in Software Engineering

Taxila Central College, Horana, *Advanced Level in Physical Sciences*