

Rajitha Bandara

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medium.com/@rajithaubandara | Colombo, Sri Lanka

Professional Summary

Results-driven software engineer and final year IT undergraduate with proven academic and industry experience, focused on delivering scalable and maintainable software solutions. Proficient in modern web technologies and cloud/DevOps practices, while staying engaged with industry trends and collaborative projects

Core Skills

Programming Languages: Java | TypeScript | Python | JavaScript | Bash
Frameworks & Libraries: Spring Boot | React | Next.js | Node.js
Cloud & DevOps: AWS (EC2, S3, VPC, IAM) | Docker | Linux | Git | GitHub Actions | CI/CD | Firebase
Databases: MySQL | PostgreSQL | MongoDB
Soft Skills: Problem Solving | Critical Thinking | Client Engagement | Teamwork | Agile Practices | Leadership

Experience

Software Engineer (Intern) Mar 2025 – Oct 2025 | Colombo, Sri Lanka
Sharemind

- Developed and maintained production-grade mobile applications using React Native, .NET, C#
- Collaborated with cross-functional teams in Agile sprints, ensuring timely delivery of features and smooth integrations
- Participated in peer code reviews, ensuring my contributions aligned with coding standards and best practices
- Tech Stack:** React native, TypeScript, .NET, C#

Education

BSc (Hons) in Information Technology (Expected Aug 2026)
University of Moratuwa

Physical Science Stream
Peradeniya Central College Kandy

Certificate

- AWS Cloud Technical Essentials (AWS)
- Claude Code in Action (Anthropic)
- Ultimate DevOps Bootcamp (School of DevOps)

Projects

Microservices E-Commerce Backend Jan 2026 – Mar 2026
Role: Backend Developer

- Developed a microservices-based e-commerce platform with Spring Boot backend services
- Implemented order processing system with real-time inventory tracking and API to admin dashboard with analytics, product management, and customer management features
- Wrote unit tests for each service using Mockito and JUnit to ensure system reliability
- Designed event-driven architecture using Apache Kafka for asynchronous order notifications and email delivery
- Integrated Keycloak OAuth2 for secure authentication and role-based access control (Customer/Admin roles)
- Designed and implemented a CI/CD pipeline on AWS using Jenkins, integrating SonarQube (code quality analysis), Nexus (artifact management), Trivy (security scanning), and Docker for containerization and deployment
- Tech Stack:** Spring Boot, Java, MySQL, Postgresql, Kafka, Keycloak, Docker, Spring Cloud Gateway, CI/CD, Junit , Docker **Code:** [ecommerce.git](#)

AcademicApp Mar 2025 – Jun 2025
Client: Sharemind(Pvt) | Role: Developer (Intern)

- Developed a full-stack mobile application utilizing a .NET Web API backend and React Native frontend, architected to support 1,000+ concurrent users
- Integrated a SQL Server relational database to securely manage role-based access control, user workflows, and complex data relationships
- Followed clean code principles to build a reliable backend processing QR-based attendance tracking, financial reporting, and payment tracking modules
- Tech Stack:** .NET Core, ASP.NET Web API, C#, MSSQL, React Native

Port Expo AI Forecasting Application Dec 2025 – Jan 2026
Role: Full-Stack Developer

- Developed a scalable web service using a FastAPI backend to expose machine learning model predictions via REST endpoints
- Integrated third-party data processing libraries to achieve an 85% prediction accuracy on real-time port data
- Tech Stack:** . Python, FastAPI, React, TensorFlow **Code:** [cargo_predictor.git](#)

Medicare <i>Role: Full stack Developer</i> - Built a full stack doctor appointment booking platform using MERN stack with secure JWT authentication, role based access control, and RESTful APIs for managing doctors, users, and bookings. - Designed a clean, mobile responsive UI with React and TailwindCSS, ensuring smooth user experience across all devices. Tech Stack: Node.js, React, MongoDB Code: medicare_booking.git	Aug 2024 – Sep 2024
Kafka Stream Engine <i>Role: Developer</i> - Built a producer service using Spring Boot to fetch streaming data from the Wikimedia API and publish it to Kafka topics - Developed a consumer service using Spring Boot to process real-time data and display it using an dashboard - Created Docker files and Docker Compose configurations, along with automation scripts, to streamline deployment and testing Tech Stack: Kafka, Spring Boot 3, React, Wikimedia API, Docker Code: kafka.git	Jan 2026 – Jan 2026
CI/CD Pipeline for microservice backend <i>Role: Developer</i> - Engineered an automated pipeline via GitHub Webhooks, orchestrating Maven builds on isolated AWS VMs (JenKins, SonarQube, Nexus) within a secure private network - Standardized CI/CD for all microservices using Jenkins Shared Libraries, minimizing code duplication and reducing deliver time from hours to minutes - Integrated Trivy security scanning and SonarQube quality gates, catching critical vulnerabilities before pushing artifacts to Docker Hub and Nexus. Tech Stack: Jenkins, Docker, AWS, Maven, SonarQube, Trivy, Nexus, GitHub Webhooks Code: cicd.git	Dec 2025 – Dec 2025
Laboratory Information System <i>Role: Developer (Group)</i> - Built a full stack Laboratory Information System (LIMS) using the MERN stack with features including bill generation, barcode generation, report delivery, and online payment serving patients, lab operators, and assistants with role-based JWT authentication - Designed RESTful APIs for end to end lab workflow management and implemented real time report generation status tracking with a responsive Material UI frontend Tech Stack: MongoDB, Express.js, React, Node.js, Material-UI	Jun 2023 – Dec 2024
Volunteering & Leadership	
DevLabs by Faculty of IT <i>Software Developer / Trainee</i> - Built and enhanced client-facing web applications in collaboration with faculty and industry partners - Conducted workshops and delivered innovative solutions, supporting multiple academic and industry-driven projects	Jan 2023 – Jun 2024
Batch Representative <i>Main batch representative (Second Year)</i> - Led a team to develop and maintain the Learning platform, ensuring continuous knowledge sharing through full semester - Oversaw timelines, resources, and communications, ensuring the smooth execution of activities throughout the year	Apr 2023 – Apr 2024
Fitmoment Media unit Faculty of IT <i>President</i> - Oversaw project timelines, resources, and deliverables, ensuring successful execution of the flagship event. - Conducted workshops and improve members skills, supporting multiple academic and industry events	Mar 2025 – Present
INTECS By Faculty of It <i>Main Coordinator Career Fair 2024</i> - Managed timelines, resources, and team responsibilities to ensure successful event execution. - Collaborated with industry partners, faculty, and student teams to ensure smooth event operations	Mar 2024 -Mar 2024

Awards	
Top 10 Finalist <i>Code Rush 2024 By INTECS Faculty of IT University Of Moratuwa</i>	
Top 15 Finalist <i>Hack Streem 3.0 By IEEE University Of Ruhuna</i>	
Member Of Month <i>Fitmoment (Media unit) Faculty of IT University Of Moratuwa</i>	
Top 20 Finalist <i>OpenHack 2023 By IIT</i>	

References	
Mr. Dilumika Navodya , Lecturer University of Moratuwa, Department of Information Technology, ncnawodya@gmail.com, +94 77 584 1591	
Ms. G.T.I. Karunaratne , Head of Department, Department of Information Technology University of Moratuwa, indikak@uom.lk, +94 11 264 0051	