Janith Prabhash

Computer Science Undergraduate · Colombo, Sri Lanka

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Profile

Computer Science undergraduate skilled in **software engineering, full-stack web development, and cloud technologies**. Currently **architecting enterprise-grade API governance systems at WSO2** using advanced algorithms (**MinHash/LSH, vector embeddings**) for API sprawl prevention and automated lifecycle management.

Proficient in **frontend (React, Angular)** and **backend (Node.js, Python, Java, .NET)** with strong OOP, data structures, and algorithms knowledge. Experienced building scalable solutions using **Agile, Git, CI/CD, microservices, Docker, AWS/Azure/GCP**. Strong problem-solving, rapid learning, and collaborative team player seeking Software Engineering role.

Experience

Intern Software Engineer (API Manager) 2025 – Present
WSO2, Colombo, Sri Lanka

- **Architecting Intelligent API Governance** for WSO2 API Manager using Java/Spring Boot—implementing **MinHash+LSH duplicate detection (95%+ accuracy)**, automated lifecycle management, JMS event-driven workflows (API_ARTIFACT_SYNC).
- **Designing Hybrid Connector Architecture** targeting sub-**10ms latency** with Resilience4j circuit breakers, cloud intelligence integration, distributed persistence across Gateway nodes.
- **Engineering core features**: Custom lifecycle states, vector embeddings + k-NN semantic analysis, fail-open strategies—balancing developer velocity and system reliability.
- Contributing to **microservices development** in Agile engineering sprints, implementing containerization (Docker) and advanced algorithms for enterprise API management.

Education

B.Sc. in Computer Science 2023 – Present
University of Colombo School of Computing **GPA: 3.30**
G.C.E. Advanced Level 2018 – 2021
Rahula College, Matara **Chem: A, Phys: A, Maths: C · Z-score: 1.7091**

Technical Skills

Backend
Java, Spring Boot, Node.js, Python
.NET, Golang, Microservices
JMS, REST/GraphQL APIs, Resilience4j

Frontend
React.js, Next.js, Angular
TypeScript, Tailwind CSS, Redux

Data/Cloud
PostgreSQL, MongoDB, MySQL, Prisma
AWS, Azure, GCP/OCI
MinHash/LSH, Vector Embeddings

DevOps & Tools
Git, CI/CD, Docker, Postman
Agile/Scrum, JWT Auth

Projects

Stellarion – Space Education (Full-Stack Lead) 2025
React, TypeScript, Node.js, PostgreSQL, Prisma, Firebase, Cloudinary, NASA APIs, Gemini AI
Live · GitHub
UCSC 3rd-year project: Led astronomy platform with mentorship, live sessions, AstroHub, stargazing locators. *Role: Moderation & Media Systems (Dr. Asanka Sayakkara)*—engineered moderation frameworks, Cloudinary media workflows, Google fact-checking APIs—serving **500+ users**.

PrimeCare – Property Management 2024–2025
PHP, MySQL, JavaScript, PayHere API · GitHub
9-month (1440+ hrs) 4-member team: Built PHP MVC platform for maintenance/finance/tenant requests—delivered role-based dashboards, secure login, responsive UI/UX.

DJK's AutoHub – Automotive Marketplace (Solo MERN) Feb–Aug 2024
React.js, Node.js, MongoDB, Tailwind, Firebase, Redux, AI Chatbot, Express.js · GitHub
Sole developer: Engineered auth, dynamic listings, advanced search, real-time chat, EmailJS notifications, AI chatbot, analytics dashboards, RBAC.

TechHub by DJK – Multi-Vendor E-Commerce 2024–2025
Java, Spring Boot, React 18, MySQL, JWT, Stripe, Spring Security, Tailwind CSS · GitHub
Full-stack leadership: Architected multi-vendor backend (auth/payments), React frontend (dashboards/cart/search), performance optimizations—**Dockerized for scale**.

Leadership & Volunteering

IEEE CS Student Branch, UCSC Treasurer & Design Master (2024–Present)
Led Intellihack 5.0 (200+ participants) design/organization & NextGen—Agile event management.
Exploration Club, UCSC: Technology Tutor (2025).

Certifications Achievements

Technical Certifications
Software Engineer Intern – HackerRank
Machine Learning with Python – IBM
AWS Educate: Cloud 101
JavaScript (Intermediate) – HackerRank
Career Skills – LinkedIn
Python Developer – Sololearn
Postman API Expert – Postman

Achievements
30th place, MoraXtreme 9.0 (2024)

References

Dr. Asanka Sayakkara, Senior Lecturer (UCSC) asa@ucsc.cmb.ac.lk · +94 70 369 5463
Mr. Anusha Jayasundara, Senior Technical Lead at WSO2 anushaj@wso2.com