

SANDARUWAN JAYASUNDARA

Associate Tech Lead | Full Stack Developer

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PROFESSIONAL SUMMARY

Full Stack Engineer with 5+ years of experience leading cross functional teams, driving architecture decisions, and delivering scalable AI enabled products across enterprise, cloud, and AI driven environments. Deep expertise across the full stack from React.js and Next.js frontends to Java, Spring Boot, and Node.js, Express.js backends, deployed on AWS with CI/CD pipelines. Proven track record of conducting technical interviews, mentoring engineers, owning sprint planning, and aligning delivery outcomes with stakeholder expectations to support product growth and organizational goals.

WORK EXPERIENCE

Senior Software Engineer

Jul 2024 - Present

Decryptogen LLC | United States

- Design and implement scalable full stack frontend and backend solutions while leading architecture decisions, Sprint planning, and engineering execution for AI enabled products.
- Drive team velocity by improving system reliability, reducing latency, enhancing user experience, and defining implementation standards across frontend, backend, database, and cloud components.
- Provide technical leadership through code reviews, mentoring, architecture decision records, technical interviews, and stakeholder collaboration across cross functional remote teams.

Software Engineer

Mar 2023 - Jul 2024

Mobitel (Pvt) Ltd | Colombo, Sri Lanka

- Led full stack development on the DMS team, driving architecture decisions and sprint planning for secure frontend, backend, and database applications for enterprise data management.
- Improved team velocity through backend API development, database integration, UI improvements, production issue resolution, and stakeholder aligned performance enhancements for internal enterprise systems.

Intern / Associate Software Engineer

Nov 2021 - Mar 2023

Wenthura Solutions (Pvt) Ltd | Colombo, Sri Lanka

- Built full stack R&D applications covering frontend interfaces, backend services, and database components from requirement to deployment.
- Delivered features through debugging, integration testing, and production ready code across multiple concurrent projects.

ACADEMIC QUALIFICATIONS

B.Sc. (Hons) in Information Technology Specializing in Software Engineering

Sri Lanka Institute of Information Technology (SLIIT) | 2019 – 2023

Certificate in Software Engineering

National Institute of Business Management (NIBM) | 2017 – 2018

TECHNOLOGIES

Frontend: React.js, Next.js, React SSR, HTML5, CSS3, SASS, Thyme leaf, Bootstrap, Tailwind CSS

Backend: Java, Spring Boot, Node.js, Express.js, REST APIs, GraphQL

Cloud & DevOps: AWS, Docker, Nginx, Git, CI/CD, VPS Cloud Deployment

AI & LLM: Open AI, LangChain, FAISS, RAG, Prompt Engineering

Databases: PostgreSQL, MySQL, MongoDB, InformixDB, MariaDB

KEY PROJECTS

MANDIYA.LK - Designed and developed a Sri Lankan online marketplace/classifieds platform, owning architecture decisions for listing management, SEO-focused pages, multilingual support, secure backend integrations, responsive UI, and production deployment.

Technologies/Architecture: React.js, Spring Boot, REST APIs, i18n, Cloud Deployment, Nginx

ARCANOR – Text to SQL AI Platform - Built an AI powered Text to SQL platform, defining the technical roadmap to automate SQL query generation, improve team velocity, and support marketing campaign setup through secure API and LLM based workflows.

Technologies/Architecture: React.js, Spring Boot, Python, Open AI, LangChain, AWS, Rest APIs, Grafana

AIDEN - Decryptogen AI Assistant - Developed an AI assistant aligned with stakeholder requirements, improving query response time by 40% and delivering personalized service recommendations for 500+ users through retrieval based AI workflows.

Technologies/Architecture: Python, Open AI, LangChain, FAISS, RAG, Prompt Engineering

EQUIP – End to End Rental System - Designed and developed a full stack rental platform handling 10,000+ monthly transactions with 99.9% uptime, including secure APIs, transaction workflows, and cloud deployment.

Technologies/Architecture: React.js, Node.js, Spring Boot, AWS, Rest APIs, Database Design

SRI LANKA - Railway Booking System – Refactored and redesign the Sri Lanka railway seat booking system and reporting dashboard enabling management of thousands of daily reservations and improving route planning efficiency. Focused on enterprise dashboard workflows, backend integration, and operational data visibility.

Technologies/Architecture: React.js, Spring Boot, Informix, REST APIs, Enterprise Dashboard Architecture

CERTIFICATIONS & OTHER QUALIFICATIONS

- AWS Certified Cloud Practitioner - *Amazon Web Services Skill Builder (Apr 2025)*
- AWS Cloud Essentials - *AWS Skill Builder (June 2023)*
- AWS for Games: Cloud Game Development - *AWS Skill Builder (Aug 2023)*
- GPT Prompt Engineering - *Deeplearning.ai (Oct 2024)*
- LangChain for LLM Applications - *Deeplearning.ai (Jun 2024)*
- Convolution Neural Networks - *Deeplearning.ai (Jan 2023)*
- Diploma in Modern Application Development – *NPTEL (Jan 2021)*

SOFT SKILLS

- Remote collaboration across time zones
- Technical leadership and mentoring
- Clear communication with stakeholders
- Ownership and accountability
- Problem solving
- Delivery planning
- Team collaboration

LANGUAGES

English: Full Professional Proficiency

Sinhala: Native or Bilingual Proficiency