

# Harsha Udayanga

Software Engineer

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## PROFILES

herath98

Harsha Udayanga

harshadev.com

## SUMMARY

Highly motivated Full Stack Software Engineer with 2+ years of professional experience architecting and developing enterprise-grade, scalable web applications across diverse industries including property management, healthcare, hospitality, electronics retail, and AI platforms. Proven expertise in leading cross-functional development teams, implementing microservices architecture, and delivering production-ready solutions using modern technology stacks. Specialized in building RESTful APIs, real-time systems, and cloud-native applications with robust security implementations and CI/CD pipelines.

## PROFESSIONAL EXPERIENCE

### WEBS R US PTY LTD

Software Engineer

<https://websrus.com.au/>

August 2025 - December 2025

Melbourne

Led full-stack development and team leadership for an enterprise rental booking platform serving high-traffic booking scenarios with real-time availability management and complex business workflows.

**Technologies:** React | TypeScript | Redux | Node.js | Express.js | PostgreSQL | JWT | Swagger | Docker | AWS | Agile/Scrum | CI/CD | RESTful APIs

### WEBS R US PTY LTD

Associate Software Engineer

<https://websrus.com.au/>

March/2025 - August/2025

Melbourne

Led frontend development and provided technical leadership for enterprise cargo management system with complex state management and real-time tracking capabilities.

**Technologies:** React.js | TypeScript | Redux | WebSocket | Micro-Frontend Architecture | Jest | Docker | Problem Solving | Team Collaboration

### Similator (PVT) LTD

Associate Software Engineer

<https://www.similater.com/>

August/2024 - Feb 2025

Colombo

Specialized in building enterprise-grade React dashboard applications with atomic design principles and rigorous code quality standards.

**Technologies:** React.js | TypeScript | Atomic Design | Swagger | ESLint | Accessibility (WCAG) | Agile/Scrum | Code Quality

### Semantix Labs (PVT) LTD

Intern - Software Engineer

<https://www.semantixlabs.com/>

Feb/2024 - Aug 2024

Colombo

Developed production-ready applications focusing on performance optimization, SEO, and full stack development practices.

**Technologies:** Next.js | React.js | Server-Side Rendering | Static Site Generation | SEO Optimization | Full Stack Development

## EDUCATION

### Eastern University

Computer Science

<https://www.tc.esn.ac.lk/>

2021 - 2024

Bachelor of Science in Computer Science

### Mo/Kataragama President Central College

2017/18

Physics Stream

## LANGUAGES

English

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TECHNICAL SKILLS	JavaScript	java	Python	C and C++	Typescript
	CSS	React js	Next js	Redux	Zustand
	TailwindCSS	Bootstrap	Formik/Yup	Responsive Design	PWA Development
	Node js	Express js	Nest Js	Spring Boot	Spring MVC
	Spring Security	Django	Flask	RESTful APIs	GraphQL
	Microservices Architecture	MYSQL	PostgreSQL	MongoDb	KnexJs
	Database Design	git	AWS/Asure/Vercel/Cpanel	Jira	Docker
	Kubernetes	WebSocket	Prisma ORM	NLTK	AI Platform Integration
	ML Model Training	spaCy	SQL Injection Prevention	ESLint	Spring Boot Test

KEY PROJECTS	<b>Hotel Management System   AI-Powered Hospitality Platform</b> <span style="float: right;">Feb 2025 - Aug 2025</span> Lead Full Stack Developer <a href="#">🔗 Hotel Management System</a> Engineered comprehensive hotel management platform with 11 integrated modules serving complete business operations. Implemented enterprise-level security, scalability, and real-time data processing for hospitality industry. Express.js, Prisma, MySQL, JWT, Cloudinary, AI APIs, QR Generation, node js, NLP, Prisma ORM, RESTful APIs, Flask, NLTK, scikit-learn, Machine Learning, TypeScript, React, Redux, Socket.io, CORS, bcryptjs, Role-Based Access Control (RBAC), Multi-provider (MailerSend, Brevo, Mailjet, SendGrid, Gmail)
	<b>Evatt AI</b> <span style="float: right;">Aug 2024 - Feb 2025</span> Role: Full Stack Developer <a href="https://evattai.com/">🔗 https://evattai.com/</a> Advanced AI-powered platform designed for training, deploying, and managing custom machine learning models. The platform provides intuitive interfaces for data scientists and developers to build, test, and deploy AI solutions with comprehensive model management capabilities. Next.js, TypeScript, Machine Learning, User Interface Design, AI Platform, React.js, MySQL
	<b>GadgetChain Manager   Enterprise Electronics Retail &amp; Repair Platform</b> <span style="float: right;">2025 Nov - 2025 Dec</span> Lead Full Stack Developer   Active Production System (Beta Testing Ongoing) <a href="#">🔗 GadgetChain Manager</a> Architected and led development of a scalable enterprise platform for electronics retail & repair operations. Delivered 15+ microservices modules handling multi-branch workflows: inventory (real-time stock, low alerts, transfers), POS/sales, repair job-sheets (status tracking, technician assignment), procurement, warranty/returns, payments (partial/multi-method), and analytics (dashboards, PDF/Excel exports). Implemented secure RBAC (SUPER_ADMIN, MANAGER, STAFF with branch scoping), JWT authentication, Zod validation, multi-channel notifications (SMS/Email/WhatsApp), file uploads (Cloudinary), and logging/monitoring. Express v5, PostgreSQL, Sequelize ORM, React 19, Vite, Tailwind CSS, React Router, Multer, Swagger, Winston, Helmet/CORS/Rate Limit, Railway (BE) + Vercel (FE) CI/CD., node js, CORS, TypeScript, Helmet, Swagger UI, Zod, Formik, Error Tracking, Express Rate Limit, RBAC
	<b>Enterprise E-Commerce Platform   Java Microservices Backend</b> <span style="float: right;">2024 Jan – 2024 May</span> Backend Developer Designed scalable e-commerce backend with microservices, JWT/OAuth security, Redis caching, RabbitMQ async events, product/order/cart management, payment integration & admin analytics. Spring Boot 3, Spring Security/Data JPA, MySQL, Hibernate, Redis, RabbitMQ, Docker/AWS, Swagger, JUnit.

## REFERENCES

**Mr. Kavindu Nimesh**

Chief Operation Officer

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**Mr. Shobian Sathyamurthy**

Chief Operation Officer

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