Shandeep Jayapalan

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Professional Summary

Enthusiastic and results-driven Software Engineer with experience in full-stack development, cloud computing, and automation tools. Proficient in both frontend and backend technologies including React.js, Spring Boot, Node.js, MongoDB, and Microsoft Azure. Strong communicator and collaborator with a problem-solving mindset and commitment to delivering high-quality solutions.

Technical Skills

Languages: Java, C++, Python, PHP, Kotlin, HTML, CSS, JavaScript, SQL
Frameworks/Technologies: React.js, Node.js, Spring Boot, ASP.NET, Bootstrap, MongoDB, Android Studio, Tailwind CSS, Azure, CI/CD, Git, Kubernetes
Tools: MySQL, GitHub, PayHere API, WebSockets, NGINX

Work Experience

Full-Stack Developer – IT Signature, Sri Lanka *Sept 2024 – June 2025*

- Developed multiple applications for an e-commerce platform using Python, React.js, Node.js, MySQL, and Flutter WebView.
- Engineered RFID-based loyalty systems for enterprise clients and contributed to a secure media player desktop app for LMS environments.
- Built and integrated RESTful APIs, configured CI/CD pipelines, and maintained GitHub workflows across projects.
- Deployed and managed microservices on Linux VPS.
- Collaborated with team in Agile sprints.

Operations Executive – Legacy Healthcare *2023 – 2024*

- Managed claim correction and re-billing in the denial management team, working closely with billing teams to ensure accuracy.

Accounting Assistant – Shalom Trading *2021 – 2023*

- Handled daily inventory updates and financial records using Tally ERP software while coordinating with suppliers.

Education

BSc (Hons) in Information Technology Specializing in Software Engineering – SLIIT
2021 – 2025

HND in Information Technology – SLIIT
2021 – 2023

G.C.E. A/L – Colombo Hindu College
2020   S: Combined Maths, Physics | C: ICT | A: English

G.C.E. O/L – Colombo Hindu College
2017   6A's, 1B, 2C's

Certifications

- Completed 2nd Level Diploma in English – 2018
- Certificate Level in Spoken English – 2018

Projects

AI-Based IEEE Format Converter – GitHub Link
Built a collaborative document editor with live multi-user editing using WebSockets and AI-powered formatting via Llama 2. Rendered and compiled academic papers in IEEE format from LaTeX templates. **(FastAPI, Node.js, WebSockets, LaTeX)**

Automatic Document Editing Tool – GitHub Link
Built a desktop and web tool for healthcare professionals to automate filling Word and PDF forms based on Excel data, significantly reducing manual work and errors. Added PDF conversion and export functionality. **(Spring Boot, React)**

P2P Parcel Delivery App – GitHub Link
Developed an Android app that connects senders with travelers for secure parcel delivery. Implemented parcel tracking, QR code-based verification, and an input system for security proofs and delivery history. **(Kotlin, MySQL, Android Studio)**

ClickCart – E-commerce ERP Solution – GitHub Link
Built an ERP solution with React.js frontend and ASP.NET Core Web API backend. Features include admin-side product and order management and a mobile app for customer ordering and tracking. **(React.js, ASP.NET Core, Bootstrap, MongoDB, Android Studio)**

AR Tourist App – GitHub Link
Designed an augmented reality-based mobile app that helps tourists locate nearby attractions and transportation. Integrated with GPS and AR navigation for real-time recommendations. **(Kotlin, SQL, Location Services, Android Studio)**

E-Commerce App – GitHub Link
Created a mobile-first e-commerce app with admin and customer interfaces, featuring secure login with OTP, product search, cart management, and real-time pricing. Backend powered by REST APIs for inventory and order control. **(Flutter WebView, Node.js, MySQL, React.js)**

Online Course Platform – GitHub Link
Designed and implemented a web platform for online learning, enabling lecturers to upload materials and students to register, view, and pay for courses. Used a microservices architecture to separate authentication, course management, and payment services. **(Spring Boot, React, MongoDB)**

Publications

Tour Around: An AR Powered Personalized Nearby Location Tour Companion
Tujin Jishu / Journal of Propulsion Technology, 2023
View Publication

Languages

Tamil (Native), English (Fluent), Sinhala (Conversational)

Extracurricular Activities

- Member, ICT Union – Colombo Hindu College
- Football Team – Colombo Hindu College (2018–2020)

References

Brinthan Segar
Software Engineer at Virtusa
brinthan7@gmail.com

S. T. Sirivardhana
Surveyor Senior Field Assistant
No-24 Vimala Siripara, Kalubowila, Dehiwala