

Thamilselven Poologarasa

Software Engineer (Backend & DevOps)

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Professional Summary

Software Engineer with more than one year of experience in backend development, DevOps, and cloud infrastructure. Specialized in building scalable REST APIs, containerized systems, and SaaS platforms using Laravel, Node.js, Docker, and cloud services. Strong foundation in data structures, system design, and automation.

Core Skills

- Languages:** PHP, JavaScript, SQL, Python, C#
- Backend:** Laravel, Node.js, Express, FastAPI, REST APIs
- Frontend:** Vue.js, Bootstrap
- Databases:** MySQL, PostgreSQL, MongoDB
- DevOps:** Docker, Docker Compose, CI/CD Automation
- Cloud:** AWS, DigitalOcean, Linux
- Other:** System Design, Scalability, Performance Optimization

Education

Bachelor of Information Technology (External)

University of Colombo School of Computing
2025 – Present

Higher National Diploma in IT

University College of Jaffna
2023 – 2026

Certifications

- Python for Beginners — University of Moratuwa (2024)
- Foundations of Cybersecurity — Google (2024)

Professional Experience

Software Engineer L2 — Jyothi's ICT Zone Pvt Ltd

Jun 2025 – Present

- Optimized AWS and DigitalOcean cloud infrastructure, improving system uptime by **30%**.
- Automated CI/CD pipelines using Docker and Git, reducing deployment time by **45%**.
- Designed and implemented RESTful APIs using Node.js and MongoDB, supporting **5k+ monthly users**.
- Improved application performance through database indexing and API optimization, reducing response latency by **25%**.

Intern Web Developer — WebBuilders.lk

Jul 2024 – Jan 2025

- Developed Laravel-based backend services, reducing manual business operations by **40%**.
- Built Vue.js user interfaces integrated with REST APIs, improving user engagement by **20%**.
- Extended e-commerce systems with booking and reservation features used by **3+ client projects**.

Projects

Trip Planner — Group Project — Team Lead (Backend)

- Led a team project to build a mobile application that displays nearby places, events, trip guides, and hotels based on user preferences and real-time location.
- Designed and developed the backend using Node.js and MongoDB, exposing RESTful APIs consumed by the mobile application and admin dashboard developed by team members.
- Coordinated backend integration and API contracts to ensure seamless communication between mobile, admin, and server components.

API-Craft — NodeJs + MongoDB Framework

- Engineered a modular API framework with authentication and booking workflows, reducing development time by **35%**.

Research Publication

Web-Based Face Recognition Attendance System using Laravel, FastAPI, and Vector Databases.
International Research Symposium (IRS 2025), Sri Lanka.