

JITHMA VITHANAGE

SOFTWARE ENGINEER

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SUMMARY

Full-stack developer with 2+ years of PHP/Laravel expertise transitioning to Java ecosystem. Currently pursuing M.Sc. in Computer Science with focus on software engineering and algorithms. Proven ability to design scalable web applications, optimize databases, and implement cloud solutions. Passionate about building secure backend systems with Spring Boot.

TECHNICAL SKILLS

- Java (Spring Boot)
- JavaScript (React/Angular)
- HTML5/XML
- JSON
- PHP/Laravel
- PostgreSQL/MySQL
- AWS S3/Docker
- Bootstrap/TailwindCSS/ CSS

PROFESSIONAL SKILLS

- Client Collaboration
- Technical Mentoring
- Database Optimization
- Logical Thinking
- Attention to Detail
- IRequirements Analysis
- Agile/Scrum Methodologies
- Problem Solving

PROFESSIONAL EXPERIENCE

Software Engineer - Unitec Software Solutions April 2025 - Present

- Led full-stack development of cloud-based Restaurant Management System using Laravel/PostgreSQL
- Architected database schema
- Mentored 2 junior developers in MVC architecture and Agile practices

Associate Software Engineer - Zuse Technologies (Pvt) Ltd Dec 2023 - Nov 2024

- Enhanced Lyceum Campus with AWS S3 integration and Cloudflare security
- Developed Angular/PHP features for Lyceum Placements improving UX efficiency
- Maintained Lyceum Assessments (React/Laravel) optimizing system performance
- Managed client requirements using Scrum methodology with detailed WBS

Intern Software Engineer - Databox Technologies (Pvt) Ltd Jul 2023 - Sep 2023

- Built authentication systems using Angular/NestJS
- Engineered custom ChatGPT training pipeline with Python/OpenAI embeddings

Intern Software Engineer - SriLanka Telecom PLC 2022 Nov - 2022 May

- Developed secure auth services (Python/FastAPI) with encryption/hashing
- Created pytest test suites improving code coverage by 30%
- Built dataset generator for ML training

EDUCATION

M.Sc. in Computer Science Sep 2019 - Sep 2023

University of Sri Jayewardenepura | 2025 - Present

- Focus Areas: Software Engineering | Algorithms | Blockchain

B.Sc. in Information Technology Sep 2019 - Sep 2023

Sri Lanka Institute of Information Technology | 2020 - 2024

- Key Modules:Object-Oriented Programming (Java),Database Systems (PostgreSQL Query Optimization),Software Engineering (Agile/Scrum, CI/CD)
- Thesis: "SMART TEA: ML System for Sales Prediction" (Random Forest, 89% Accuracy)
- Awarded: BSCTI 12144 | Reg: IT20244866

PROJECTS

Java Inventory System (In Progress) - Spring Boot · JWT · Docker

- Building REST APIs for product/category CRUD operations
- Implementing role-based access control with Spring Security
- Containerizing application for cloud deployment

Restaurant Management System - Laravel · PostgreSQL ·

Unitec Software Solutions

- Developed cloud-based SaaS supporting 100+ restaurants
- Implemented real-time order queue reducing wait time by 25%

SMART TEA Prediction System - Python · Random Forest

SLIIT

- Engineered ML model with 89% sales prediction accuracy
- Identified 7 key pricing factors through feature analysis

REFERENCE

Mrs. W.P.K Rasika Sammani

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