

HIRUSHA FERNANDO

Associate Software Engineer

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[LinkedIn](#) [Github](#) [Portfolio](#)

Passionate Associate Software Engineer with hands-on experience designing and developing ERP and business management systems across multiple domains. Skilled in PHP Laravel, React, Spring Boot, and AWS DevOps. Strong background in CI/CD pipelines, cloud deployments, and database optimization. Adept at translating business needs into efficient, scalable solutions.

SKILLS

Backend: Laravel, Spring Boot, Express.js

Frontend: React.js, Next.js, JavaScript, TypeScript, Redux Toolkit, Tailwind CSS, Bootstrap, MUI

Database: MySQL, MongoDB

DevOps / Cloud: AWS, Terraform, Docker, Kubernetes, Jenkins, SonarQube, Nexus

Soft Skills: Teamwork, Time Management, Problem Solving, Communication

WORK EXPERIENCE

Software Engineer (Trainee)

Mar 2025-Oct 2025

[Appleholidays Destination Services \(Pvt\) Ltd](#)

- Developed and maintained a multi-company ERP system to manage accounts, invoices, accounts receivable/payable, and bank details using PHP Laravel, React, and MySQL. Improved frontend performance for better web speed and responsiveness.
- Implemented dynamic dashboards and integrated third-party APIs to enhance ERP functionalities and business insights.
- Optimized MySQL and MongoDB databases for faster query performance, ensuring scalable and reliable data management.
- Deployed and managed ERP system hosting on AWS, improving availability, security, and performance.
- Collaborated with business analysts and worked in agile teams to deliver high-quality software solutions aligned with client needs.

Software Engineer (Intern)

Oct 2024-Mar 2025

[Appleholidays Destination Services \(Pvt\) Ltd](#)

- Used PHP, Laravel, React, and Next.js to create responsive web apps.
- Optimized databases using MySQL and MongoDB for efficient data storage and retrieval.
- Implemented Kubernetes and AWS CI/CD pipelines for faster and more reliable deployments.
- Seamlessly integrated Zetexa, Cebu, and GlobalTix APIs into Aahaas' backend system, enhancing functionality and ensuring efficient data exchange.
- Worked with cross-functional teams to create and implement scalable cloud-based solutions.

EDUCATION

Bachelor of Information Communication Technology

Feb 2020-Dec 2024

[University of Colombo School of Computing, Sri Lanka](#)

Final Year Project: Sales, Purchase, and Inventory Management System for Jeewa Computer Shop

PROJECTS

ERP System for Multi-Company Management

Technology: Laravel, React, MySQL, AWS, Sanctum Auth

- Designed and developed an ERP system capable of handling 3 companies' operations from a single platform using Laravel and react.
- Implemented invoice management, accounts receivable, accounts payable, and bank account tracking with role-based access control.
- Built Excel/CSV invoice import feature to automatically update pending dues and daily consolidated reports.
- Deployed the system on AWS ensuring secure, scalable, and high-availability hosting.

Link: <https://dev-erp.aahaas.com/>

Automated CI/CD Pipeline for Secure & Scalable Sprint Boot Deployment on AWS

Technology: Jenkins, Docker, Kubernetes (EKS), Terraform, AWS, SonarQube, Trivy, Nexus, GitHub, Maven, Spring Boot, MySQL, Prometheus, Grafana

- I used Jenkins, Docker, and Kubernetes on AWS to build a CI/CD pipeline for a Spring Boot banking app. Automated testing, security scanning (SonarQube and Trivy), and deployment to EKS. Nexus was integrated for artifact management, and GitHub-triggered builds were enabled, which reduced deployment time and improved reliability.
- And implemented there monitoring system using promethues, Grafana dashboards

Link: <http://afb133da3334d4963b30232b327b5086-871363753.ap-south-1.elb.amazonaws.com/login>

MERN Authentication System with Email Verification & Password Reset

Technology: React.js, Node.js, Express.js, MongoDB, JWT, Nodemailer, Tailwind CSS, Vercel

- Developed a secure authentication system with JWT-based authentication, email OTP verification using Nodemailer, and password reset functionality.
- Implemented separate client and server deployment on Vercel, ensuring modular architecture and efficient API communication.

Link: <https://mern-auth-client-omega.vercel.app/>

Sales, Purchase, Inventory, and Repair Management System

Technology: Java Spring Boot, Hibernate, Thymeleaf, Spring Security, MySQL, Bootstrap, JQuery

- Developed a robust system capable of performing various business processes on a computer, including sales, repair, employee, customer, invoice, purchase management, and reporting.
- Integrated MySQL for efficient data storage, retrieval, and real-time updates, ensuring smooth operations for all business processes.
- Ensured data security with encrypted password storage and secure communication between frontend and backend components.

Link: <https://github.com/Hirusha1-cpu/jeewasolutions>

REFERENCES

Mr. R. M. K. N. Bandara | Lecturer, W3 Campus
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