HIRUSHA FERNANDO

Associate Software Engineer

Gampaha, Sri Lanka | +94775371591 | hirushafernando121@gmail.com

LinkedIn: https://www.linkedin.com/in/hirusha-fernando-15020b1ab

GitHub: https://github.com/Hirusha1-cpu | Portfolio: https://portfolio-hirusha.vercel.app/

Passionate Associate Software Engineer with expertise in Python, Java, and PHP, along with frameworks like Spring Boot, Laravel, and Next.js. Skilled in building scalable applications using AWS, Azure, Kubernetes, and Docker. Experienced in CI/CD pipelines, database management (MySQL, MongoDB), and real-time systems (Kafka, RabbitMQ). Strong problem-solving skills and a commitment to continuous learning in dynamic team environments.

SKILLS

Backend: Spring Boot, ExpressJS, Laravel

Frontend: React JS, Next JS, JavaScript, TypeScript, Redux & Redux Toolkit, Tailwins CSS, Bootstrap, MUI

Database: MongoDB, MySQL

Cloud Platforms/IaC: AWS, Terraform, Kubernates, Jenkins

Soft Skills: Team Collaboratio, Time Management, Attention to Detail, Problem Solving, Communication

WORK EXPERIENCE

Software Engineer (Intern)   **Oct 2024-Mar 2025**

Aahaas.com

- 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.
- Used GitHub to manage version control and ensure code integrity.
- Used messaging solutions such as Kafka and RabbitMQ for real-time data processing and scalability.
- Contributed to designing scalable software architectures, improving system performance and maintainability.
- Optimized application performance, resulting in faster load times and a better user experience.
- 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

PROJECTS

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

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

- 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.

Link: http://afb133da3334d4963b30232b327b5086-871363753.ap-south1.elb.amazonaws.com/dashboard

Leave Management System for Aahaas.com

- Created and deployed a backend for managing employee leaves. Complex leave requests can be tailored for each individual and approved by senior management.

Link: https://github.com/Hirusha1-cpu/laravel_auth.git

Sales, Purchase, Inventory, and Repair Management System

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

- Developed a robust system capable of performing various business processes on a computer, including sales, repair, employee, customer, invoice, purchase management, and reporting.

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

REFERENCES

Mr. R. M. K. N. Bandara | Lecturer, W3 Campus
nuwan@w3campus.lk | +94757919292

Mr. Isuru Virajitha | Lecturer, W3 Campus
ivirajit20@gmail.com | +94717572655