NIPUN AMARAKOON

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PROFESSIONAL SUMMARY

Passionate and results-driven software engineer with over 4 years of experience in full-stack development and DevOps practices, specializing in Java Spring Boot and microservices architecture. Proven track record of designing, implementing, and optimizing scalable web applications. Looking for an opportunity to leverage my technical skills and contribute to innovative projects in a collaborative environment.

WORK EXPERIENCE

Visiro Global Solutions - *Colombo, Sri Lanka*   July 2022 – Present

Software Engineer

- Developed and deployed full-stack web applications using Java Spring Boot, react and SQL, ensuring seamless integration and modularization of functional components.
- Collaborated with cross-functional teams to migrate existing monolith applications to microservices architecture, enhancing system scalability and reliability.

Key Achievements:

- Spearheaded continuous integration (CI) and continuous delivery (CD) initiatives using Jenkins, reducing deployment times by 30%.
- Reduced API response time by 25% through refactoring critical backend services in an ERP system.
- Played a key role in the successful implementation of the Kafka messaging service in the microservice architecture.

Freelance - *UK*   July 2023 – August 2023

Software Developer

- Developed web scraping program to navigate complex HTML and JavaScript-based websites using the Scrapy Python library.
- Collaborated with clients to understand and analyze user requirements, designing tailored software solutions that meet specific data needs and business objectives.

Visiro Global Solutions - *Colombo, Sri Lanka*   July 2019 – November 2021

Associate Software Engineer

- Contributed to the development of Java-based web applications, collaborating with front-end teams to integrate RESTful APIs using Spring Boot.
- Built scalable backend services in Laravel for a real estate application.
- Worked closely with UI/UX designers to develop responsive interfaces using React.js.
- Deployed applications on AWS using Docker containers, ensuring high availability and scalability.
- Actively participated in code reviews, and debugging sessions, contributing to maintaining high code quality standards.

PROJECTS

VibezVenue (Ongoing) | Java, Spring, Kafka, Resilience4J, Zipkin, Docker, Kubernetes, PostgreSQL, Prometheus, Grafana
- Event management and ticketing website based on microservice architecture.

My Portfolio| React.js, JavaScript, Bootstrap 5, CSS
- Designed and deployed a responsive portfolio to represent my excellence.

Automated Detection of Schizophrenia Patients | Python, CNN, ResNet50, SVM NumPy, Matplotlib
- Developed a machine learning model to diagnose schizophrenia based on EEG spectrogram images.
- It investigates the impact of utilizing different groups of EEG signals with a hybrid model consisting of ResNet50 and SVM.

Traffic Fine Penalty Control Web Application | Java, Spring MVC, Spring Security, JSP, Hibernate, Thymeleaf, CSS, Bootstrap, and PostgreSQL
- Developed a proposed web traffic penalty control system for Sri Lanka Police.

Laboratory Appointment System | Java, Jersey, MySQL, JavaScript, jQuery, AJAX, Bootstrap, W3CSS
- Developed a web application to manage laboratory appointments.

Handy Man Android Application | Java, Firebase
- Developed a mobile application which facilitated the buying and selling of handyman services with in-app messaging service.

TECHNICAL SKILLS

- **Programming Languages:** Java, SQL, Python
- **Frameworks & Technologies:** Spring Boot, AWS, Microservices, Hibernate, Laravel
- **Frontend Development:** React.js, JavaScript, Bootstrap 5, Tailwind, W3CSS, CSS 3, HTML 5
- **Tools & Platforms:** Jenkins, Docker, Kubernetes, Kafka, Git, Jira
- **Databases:** MySQL, PostgreSQL, MongoDB, Firebase
- **Testing:** JUnit, Mockito, Selenium

EDUCATION

MSc. In Advanced Computer Science [Commendation]   2022-2023
University of Northumbria, UK

BSc. (Hons) in Software Engineering [1st class]   2020-2021
Cardiff Metropolitan University, UK

Higher Diploma in Software Engineering   2017-2020
Java Institute for Advanced Technology, Sri Lanka