DILENDRA WIJESINGHE MUDIYANSELAGE
Full Stack Developer
Barnsley, United Kingdom. | +447778996009
dilendra.sajini@gmail.com| https://www.linkedin.com/in/dilendra-sajini/| https://github.com/DilendraSajini

Professional Summary

Experienced and self-motivated full stack developer with 8 years of expertise, specialising in data science. Led and developed successful projects spanning healthcare information systems, cloud-based learning platforms, telecommunications, and the Internet of Things. Proficiently managed complete software development lifecycles, ensuring timely, high-quality service, and product delivery. Known for crafting inventive solutions aligned with business requirements, resulting in a consistent record of impactful results. Collaborative team player positively influencing project success. Seeking for a technology full stack developer role to continue delivering meaningful contributions to the industry.

Experience

Associate Technical Lead   **Oct 2019 to Sept 2022**
Cambio Software Engineering, Colombo, Sri Lanka
- Refactored the legacy code to address technical debt with TDD while introducing new features.
- Initiated knowledge sharing, pair programming, enhancing skills, and completing a frontend project in 4 months with limited resources.
- Achieved 80% unit and integration test coverage with a shift-left testing strategy.
- Led QA automation team in reorganising the test suite, reducing development time and manual testing effort by 40%, resulting in substantial cost savings.
- Prioritised tasks, ensured backward compatibility, and maximised object oriented design pattern utilisation for code reusability.
- Led code reviews, managed timeline risks, and assessed dependency impacts.
- Fostered clear cross-functional team communication to integrate customer scenarios.

  Java| Spring| Angular (NgRx)| React (Redux)| Web pack| SonarLint| Eslint|Apache JBOSS| YourKit| JProfiler| HTML| CSS| JavaScript| TypeScript| SQL| Hibernate|Apache Maven| Gradle| Swagger| SQL| REST| Agile

Senior Software Engineer   **Jan 2019 to Oct 2019**
Pearson Lanka (Pvt) Ltd., Colombo, Sri Lanka
- Restructured legacy backend into micro services with REST APIs and message-driven architecture, reducing release effort by 30%.
- Implemented React SPAs to replace legacy portals, enhancing maintainability, user experience, and reducing technical debt.
- Led proactive risk mitigation in team discussions during planning, improving task effort estimation.

  Java| Spring| Spring Boot| Java Swing| AWS| HTML| CSS| JavaScript| TypeScript| Swagger| Agile | NoSQL | Linux

Associate Technical Lead   **Sept 2017 to Jan 2019**
W. D. R. Samarakoon Logistic Pvt, Colombo, Sri Lanka
- Chaired legacy truck system restructuring into micro services, enhancing scalability, availability, and independent deployment.
- Led development, ensured optimal design, managed sprints, and iteratively delivered MVPs meeting customer needs.

  PubNub| MQTT| AWS | HTML| CSS| JavaScript| TypeScript| MongoDB| Redis| Docker| Kubernetes | Zuul API Gateway| NGINX| Agile| Linux

Senior Software Engineer | Software Engineer   **Jan 2013 to Sept 2017**
Aepona Software Pvt Limited, Intel Corporation, Colombo, Sri Lanka
- Led smart hospital POC with IBM Watson and Alexa, improving user experience, and developed IoT dashboard with automated alerts and upgrades for smart home appliances.

- Integrated Mobile Connect into core ASE product for enhanced security, efficiency, and user-friendliness using OAuth2 and JWT tokens.
- Simulated Open Stack Gateway as middleware bridging cloud APIs and native IaaS operations finalised upfront requirements and technical specifications.

Spring | OSGI| Apache Karaf| Fabric| JBoss Fuse| Active MQ| JWT| OAuth 2| Node js (Express.js)| Tomcat| AWS| IBM | SQL| Hibernate| Cassandra| Jira| Bitbucket| Jenkins| SonarQube| ESlint |Agile

Education

Masters of Science: Data Science
Leeds Beckett University, Leeds, United Kingdom   2022 to 2023
- Engineered OLAP system for university student progress tracking with intuitive dashboards and Excel pivot charts, enabling visual data analysis for informed decision-making.
- Developed Oracle Apex app for patient data, staff scheduling, and finances, ensuring data integrity, security, validations, and data visualisation.
- Analysed Uber and Lyft pricing data, identified demand factors, and developed an optimal price prediction model using linear regression and MLP.
- Utilised reporting, data visualisation, and machine learning to assess road fatality risk based on road user, gender, area, and road type using UK government road safety data from 1999 to 2021.

Python| Google Colab| Excel| Oracle| Erwin data modeler| Rapid Miner| Oracle Apex| ETL Scripting | Django | Flask

Masters of Science: Software Architecture
University of Moratuwa, Colombo, Sri Lanka   2015 to 2017

Bachelor of Computer Science & Engineering: Computer Engineering
University of Peradeniya, Kandy, Sri Lanka   2009 to 2013

University Projects

Leveraging deep learning and medical image analysis for enhanced cancer diagnosis.
2023

Enhance the accuracy and efficiency of breast cancer classification in high-resolution histology images through the utilisation of patch-based image analysis, incorporating VGG16 transfer learning and LSTM sequential data processing model while preserving global context for structures and features.

Python| Streamlit| Google Colab

Generic IoT terminal for program a SOC   2017
A user-friendly remote programmable GUI environment for smart homeowners, featuring a cost-effective and energy-efficient design that received the 2017 National Best Quality ICT Awards.

ESP82666| LUA| JavaScript

Web-based content-based image retrieval system   2013
A Content-Based Image Retrieval (CBIR) system, aiming to overcome the limitations of keyword-based image retrieval by addressing semantic gaps, utilising clustering techniques to enhance efficiency and accuracy.

Matlab| JSP| HTML| CSS| AJAX

Volunteer and Professional Development
- Following STEMAspire female mentorship program for 9 months.
- Volunteer for Barnsley Hospital NHS Foundation Trust.
- Volunteer as a course representative for 1 year in Masters of Data Science at Leeds Beckett University.

References
Available on request.