

AKMAL AIMAN BIN MUHAMMAD ALI

SOFTWARE ENGINEER | WEB DEVELOPMENT

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📍 Cyberjaya, Selangor

As a highly motivated full stack developer, I specialize in building scalable, secure, and user-centric web applications using technologies like Java Spring Boot, Angular, PostgreSQL, MySQL and REST APIs. I am skilled in both backend and frontend development, with a strong understanding of cloud platforms, CI/CD, and version control. My problem-solving mindset, attention to detail, and commitment to continuous learning allow me to deliver reliable, high-quality solutions aligned with modern development standards.

My adept problem-solving skills and analytical acumen empower me to swiftly diagnose and resolve issues, ensuring optimal performance and reliability of applications. Furthermore, my commitment to continuous learning drives me to stay abreast of emerging technologies and industry best practices, positioning me at the forefront of web development innovation.

RELEVANT SKILLS

Microsoft Office

Java

HTML

JavaScript

CSS

REST API

MySQL

PostgreSQL

GIT

Spring Framework

Spring Boot

Spring MVC

Maven

Apache Tomcat

Bootstrap

Github

Github Action

Unix System

React

Angular

JSP

Cron Job

LANGUAGE

English

Malay

EDUCATION

Bachelor of Engineering (Honors) in Electrical & Electronic

Universiti Teknologi PETRONAS | 2nd Class Upper

Major in Instrumentation & Control

May 2016 – May 2020

Foundation in Electrical & Electronic Engineering

Universiti Teknologi PETRONAS

March 2015 – December 2015

Sijil Pelajaran Malaysia

Sekolah Menengah Sains Kuala Selangor

January 2010 – December 2014

PROFESSIONAL EXPERIENCE

Mercedes-Benz Tech Malaysia

Full Stack Developer

Jun 2024 - Present

- Developed and maintained modern, scalable web applications using Java Spring Boot for backend services and React for dynamic frontend interfaces.
- Designed and implemented **RESTful APIs**, ensuring reliable, scalable communication between client-side and server-side layers.
- Built and managed **PostgreSQL** databases, ensuring data integrity and consistency, while applying **Liquibase** to manage version-controlled database schema changes.
- Utilized Git for version control and collaborated via GitHub repositories, managing branches, pull requests, and code reviews.
- Created and maintained **GitHub Actions** workflows for automated CI/CD pipelines, including test execution, build processes, and deployment to **Microsoft Azure**.
- Deployed and monitored applications on **Microsoft Azure**, leveraging services like **Azure Blob Storage**, **Storage Queues**, and **Key Vault** for secure cloud operations and configuration management.
- Integrated **Azure Key Vault** with Spring Boot to manage secrets securely across different environments (DEV, INT, PROD).
- Collaborated closely with **Product Owners**, **Scrum Masters**, **UI/UX designers**, and other developers in an **Agile SAFe** environment to deliver business-driven features on schedule.
- Participated in regular sprint ceremonies, including planning, review, and retrospectives, and contributed to backlog grooming and continuous improvement.
- Managed secure configuration of applications across multiple environments by integrating Azure Key Vault into Spring Boot
- Ensured application security, performance, and scalability across the full stack through rigorous testing, optimization, and code reviews.

ABS Innovation Sdn Bhd

Software Engineer

August 2022 – May 2024

- Collaborated on developing the Company's diverse web and app solutions, leveraging various technologies.
 - Tailored, enriched, and sustained new and existing software products to meet evolving business needs.
 - Orchestrated the complete technical journey of applications across development phases.
 - Ensured prompt delivery of assigned tasks within set timelines.
 - Compiled and managed comprehensive documentation encompassing design specifications, source code, and project archives.
 - Executed individual project components throughout the development lifecycle, encompassing implementation, testing, deployment, and ongoing maintenance.
 - Fostered close collaboration with project managers, software test engineers, and fellow software engineers to delineate daily tasks and objectives.
 - Responsible in the implementation and deployment processes, overseeing the seamless transition of applications into production environments hosted on AWS EC2 servers.
 - Proficient in database creation and modification to fulfil new requirements or enhancements, ensuring seamless integration with existing systems and optimal data management practices.
 - I am proficiently developing a dynamic web application, incorporating Java, JavaScript, MySQL, REST API, and JSON on the backend. For the frontend, I integrate HTML, CSS, Bootstrap, JSP, AJAX, and jQuery to enhance user experience. I ensure effective collaboration and version control using Git and Bitbucket. Additionally, I deploy and manage containerization with Apache Tomcat, while optimizing the build process using Maven
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- Developing PowerBI Dashboard for HQ and Factory monitoring system.
- Planning for execution of production line for examination and surgical glove for new factory
- Designing Automation System for new factory.
- Develop Process Flow Diagram & Process Flow Chart for automation system based on client needs.
- Develop BOM List, BQ List, Load List and URSV for Automation System.
- Developing gantt chart to arrange work and monitoring project progress.
- Monitoring work progress to make sure that the project delivers as scheduled.
- Managing worker for installation job and arranging on work on daily basis.
- Monitoring project costing to make sure the project spends within budget.
- Managing CAPEX for project costing and budget.
- Performing Factory Acceptance Test (FAT) for SCADA Main Panel to ensure that the panel are following standards and within equipment specifications.
- To conduct testing & commissioning for the automation system to ensure that all the system is fully functioning.

Ranhill Worley
Instrument Trainee

January 2019 – August 2019

- Assisting engineer in creating detailed plans, drawing, datasheet and schedule for brownfield project.
- Read, interpreted, and extracting data from P&ID, technical drawing and schematics.
- Performing engineering checking for document & drawing.
- Liaise with other discipline to get necessary data in developing technical documents.

REFERENCE

Alex Pee | Solution Architect,
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