SOFTWARE DEVELOPER | SOFTWARE ENGINEER
MUHAMMAD HARITH IQBAL BIN MOHD HANIZUN

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PROFESSIONAL SUMMARY

- Software Developer with hands-on experience since 2022, specializing in full-stack development across web, mobile, and back end services
- Proven track record in assets, logistics, transportation, and storage systems
- Advocates clean code, best practices, and developer-first experiences to improve user outcomes
- Passionate about automation and technology, with a strong ability to adapt to new environments, tools and AI

SKILLS & TECH STACK

- TypeScript, JavaScript, C#, Java, Go, Python
- React, Angular, Next.js, React Native, Expo, TailwindCSS, Playwright
- Node.js, Dotnet, GraphQL, Docker, Kubernetes, Bun, WebSocket, Web Hook
- PostgresSQL, MSSQL, MySQL, MongoDB, Redis, ElasticSearch
- Linux, SSH, MQTT, Github Copilot Prompting

WORK EXPERIENCE

SOFTWARE DEVELOPER | SWIFT HAULAGE BERHAD | KLANG　　　　　　　　　　　　　　　　　　　　　　　　　JUNE 2024 - PRESENT

- Developed and maintained multiple system for internal business needs including logistics system, delivery tracking and mobile apps
- Implemented automation testing for front end and created unit test for back end system using Playwright, Ava and Bun API
- Maintained and enhanced multiple back end (Fastify, Express, Koa, Django, Bun) micro services to ensure the system does not break with minimal downtime using Apollo GraphQL Federated Client, Kubernetes, Docker
- Developed server side rendered apps for high performance web page for tracking delivery of logistics delivered by vehicle driver and implemented OpenAPI specs for integration with third party vendor
- Refactored legacy code to ensure maintainability of a software will be easier, improve reliability and performance, and ensure system is up to date by leveraging Typescript practice, typed-safety apps and much more technology involved
- Maintained and upgraded front end libraries to latest version such as Ant Design version 3 to version 5 and refactored most codebase to modern syntax from class component to functional component and higher order component to hooks in React
- Introduced typed-safe GraphQL code generation to team that reduces error runtime in Sentry monitoring
- Developed and deployed full back end service to manage administrative actions in the system including full coverage test
- Introduced Model Context Protocol (MCP) to improve the speed of development by leveraging AI models like Claude Sonnet to write code with correct context

SOFTWARE ENGINEER | RECOGINE TECHNOLOGY SDN BHD | SUBANG JAYA　　　　　　　　　　　　　　　　　　JAN 2023 - JUNE 2024

- Developed system as product for the company such as digital signage system, CCTV and streaming system, advertisement system, payment gateway system and a few more using Angular, Dotnet
- Maintained legacy system to ensure the system works fine for deploying to new site (intranet deployment) such as Traffic Control Management System (TMCS), Weight In Motion System (WIM), Highway Signage System, Traffic Monitoring System, Automatic Number Plate Recognition (ANPR) System
- Assisted system engineer for smooth check for Factory Acceptance Test (FAT), Site Acceptance Test (SAT) & User Acceptance Test (UAT)
- Integrated multiple system with vendor device such as radar, camera and RFID detector with existing system by using Websocket, MQTT, Mosquitto and a few more tools
- Introduced and implemented standard code practice such as conventional commits, git branching, semantic versioning, release notes, semantic release, linting for code quality
- Introduced TailwindCSS for web responsive issue and increase developer's efficiency by a lot for implementing mobile friendly page

APPLICATION DEVELOPMENT INTERN | RECOGINE TECHNOLOGY SDN BHD | SUBANG JAYA　　　　　　　　　　　SEP 2022 - MAR 2023

- Developed full stack cross platform mobile application from scratch for traffic enforcement system using Dotnet, Expo and React Native
- Built and deployed app for Android, HuaweiOS and iOS platform
- Displayed interactive map using Google Map API to display site location of ANPR system for highway monitoring
- Implemented feature for fuzzy search and real time update of vehicle motion on highway
- Displayed analytics graph for easier overview of data for client using Grafana
- Presented to multiple client of the functionality and the problem that it solved for highway operators

EDUCATION

BACHELOR'S DEGREE (HONS) | COMPUTER SCIENCE | UNIVERSITY TECHNOLOGY MARA　　　　　　　　　　　　　EXPECTED 2026

Transtrack System
- Developed a full-stack system to manage internal vehicle assets, including booking, maintenance scheduling, and status tracking
- Github Link

Interntrack System
- Built a university internship tracking platform for students, supervisors, and advisors to log activities, give assessments, and monitor progress throughout internship sessions
- Github Link

EV Reservation System
- Created a reservation system for electric vehicle (EV) charging ports with real-time usage monitoring and charging progress tracking
- Github Link
- Demo Link

Food Recognition (AI Project)
- Implemented a fruit recognition system using machine learning with a Kaggle dataset, leveraging image classification models for food recognition
- Github Link

DIPLOMA (CGPA 3.83) | COMPUTER SCIENCE | UNIVERSITY TECHNOLOGY MARA　　　　　　　　　　　　　　　GRADUATED 2023

Smart E-Tuition System
- Contributed to a multi-role tuition management platform that supports user registration, automated timetable generation, and class scheduling
- Github Link