Ahmad Fahrezi

ahmadfahrezi.vercel.app

ahmadfahrezi.kl@gmail.com
linkedin.com/in/ahmadfahrezi

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, PHP
Frameworks: React, Next.js, React Native, Node.js, Spring Boot, Vue.js, Remix
Testing & Automation: Appium, Selenium, Jest, Pytest, Test Planning, QA Automation
Tools: Git, Docker, Firebase, AWS (EC2, S3), GitHub Actions, Figma, Supabase, Jenkins
Databases: PostgreSQL, MySQL, MongoDB, Oracle, Prisma, Firebase Realtime DB
Other: REST APIs, Authentication (JWT, OAuth, SSO), CI/CD, Agile/Scrum, SEO Optimization, RBAC

EXPERIENCE

Software Engineer Intern – QA Automation
Grab

July 2024 – Dec. 2024
Petaling Jaya, MY

- Spearheaded development of an AI-powered test automation agent, eliminating manual scripting overhead for authentication workflows and accelerating test development by 60%.
- Delivered 22 production-grade Python automation scripts using Appium and Selenium frameworks, exceeding H2 2024 automation coverage targets by 15% for Grab's Identity platform.
- Executed critical weekly regression test suites ensuring platform stability and security for 200+ million Grab users across 8 Southeast Asian markets.
- Identified and documented 40+ bugs across authentication flows, including 8 critical security vulnerabilities, directly contributing to improved user trust and platform reliability.

Frontend Developer
CommerceOwl

Oct. 2022 – Feb. 2024
Edmonton, CA (remote)

- Architected and delivered feature-rich web applications across multiple JavaScript ecosystems (React, Remix, Next.js, Vue.js) with 95%+ test coverage using Jest and React Testing Library.
- Drove 32% increase in conversion rates for RecipeStack Shopify app through strategic UI/UX improvements, A/B testing, and performance optimizations that reduced page load times by 40%.
- Collaborated with backend teams to integrate RESTful APIs and optimize data fetching patterns, reducing client-side data requests by 45%.

Software Engineer Intern
UM PTM

July 2023 – Oct. 2023
Kuala Lumpur, MY

- Instrumental in modernizing UM's legacy procurement system, building a full-stack web application using PHP MVC architecture and MySQL that streamlined procurement workflows for 500+ university staff.
- Engineered robust server-side validation layer in PHP with MySQL constraints and triggers, preventing data corruption and ensuring compliance with university procurement policies.

PROJECTS

TeaPOS – Multi-Tenant Point-of-Sale Platform | https://github.com/ahmadfahrezi81/tea-pos
Next.js 14, TypeScript, Supabase, PostgreSQL, Tailwind, Chart.js, shadcn/ui

- Architected enterprise-grade, multi-tenant SaaS POS system supporting isolated data management for unlimited organizations with tenant-scoped users, stores, and real-time financial analytics.
- Engineered normalized Supabase schema with 12+ relational tables (orders, products, tenants, expenses, summaries) implementing row-level security policies for bulletproof data isolation.
- Built responsive admin dashboard leveraging Next.js 14 App Router, React Server Components, and Chart.js for real-time sales visualization and business intelligence.

Eco-Mobility Tracker | https://github.com/ahmadfahrezi81/Eco-Mobility-Mobile-App
React Native, Next.js, TypeScript, Redux, Firebase, Expo, Google Maps API

- Engineered cross-platform mobile application tracking real-time carbon footprints using GPS sensors, accelerometer data, and machine learning-based transport mode detection.
- Established automated CI/CD pipeline using Expo EAS and GitHub Actions for continuous testing, building, and deployment across Android and iOS platforms.

EDUCATION

University of Malaya
Bachelor of Computer Science, Software Engineering

Kuala Lumpur, MY
Oct. 2021 – Oct. 2025

- **Relevant Coursework**: Data Structures & Algorithms, Database Systems (Oracle, MySQL, MongoDB), Object-Oriented Design & Implementation, Mobile App Development (Android), Machine Learning (TensorFlow), Web Development (Spring Boot, PHP, React), Software Engineering Principles