

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML/CSS, Python, Dart
Frameworks & Libraries: React, Next.js, Tailwind CSS, Redux Toolkit, Zustand, TanStack Query, Storybook
Testing & QA: Jest, Cypress, Playwright, Testing Library
DevOps & Cloud: GitHub Actions, Vercel, Netlify, Docker, CI/CD Pipelines
Tools: Figma, Notion, Agile/Scrum, SEO, Accessibility (WCAG), Core Web Vitals

EXPERIENCE

Software Engineer Intern – QA Automation July 2024 – Dec. 2024
Grab *Petaling Jaya, MY*

- Accelerated test development by 60% via AI-powered Appium & Selenium automation agent.
- Delivered 22 Python scripts, surpassing coverage targets by 15% for identity workflows.
- Integrated regression suites into GitHub Actions CI/CD, reducing feedback cycles by 80% .

Frontend Developer Oct. 2022 – Feb. 2024
CommerceOwl *Edmonton, CA (remote)*

- 137% organic traffic growth via SEO & Core Web Vitals optimizations on ImagineAPI (Next.js).
- Cut page-load time by 40% & boosted Shopify app conversions by 32% through React & A/B tests.
- Integrated CI/CD with GitHub Actions & Vercel to slash release cycles by 80% .
- Built TypeScript component library with Storybook, reducing UI redundancy by 25% .
- Delivered responsive, accessible interfaces achieving 95% + Lighthouse scores via WCAG best practices.
- Reduced network requests by 45% partnering with backend teams on API consumption.

Software Engineer Intern July 2023 – Oct. 2023
UM PTM *Kuala Lumpur, MY*

- Modernized procurement UI in PHP & MySQL, streamlining workflows for 500+ staff.
- Implemented RBAC & server-side validation to enforce audit compliance and data security.
- Built reporting dashboard reducing manual report time by 70% with real-time analytics.
- Documented deployment on Apache & Git, improving maintainability for IT teams.

PROJECTS

TeaPOS – Multi-Tenant POS Platform | <https://github.com/ahmadfahrezi81/tea-pos>
Next.js 14, TypeScript, Supabase, PostgreSQL, Tailwind CSS

- Architected multi-tenant Next.js app with RLS & role-based permissions for isolated data.
- Reduced transaction latency by 35% via offline caching & optimized React hooks.
- Built serverless REST APIs on Vercel Edge with OpenAPI specs, enhancing contract clarity.
- Automated CI/CD with GitHub Actions & Vercel to ensure zero-downtime deployments.

Eco-Mobility Tracker | <https://github.com/ahmadfahrezi81/Eco-Mobility-Mobile-App>
React Native, Next.js, TypeScript, Firebase, Expo

- Optimized GPS batching in React Native, cutting battery usage by 28% while retaining 99% sync reliability.
- Developed SSR analytics dashboard in Next.js for route insights & emission summaries.
- Implemented offline state management with Redux & persistent storage for uninterrupted tracking.
- Integrated Google Maps APIs for route visualization & eco-friendly suggestions.

EDUCATION

University of Malaya Kuala Lumpur, MY
Bachelor of Computer Science (Software Engineering) *Oct. 2021 – Aug. 2025*

- **CGPA:** 3.7 / 4.0 · **Dean's List (2022–2024)**
- **Relevant Coursework:** Data Structures & Algorithms, Web Development (Spring Boot, PHP, React), Database Systems, Software Engineering Principles
- **Awards:** Winner – Sustainability FYP@UM 2023 · 3rd Place – CodeNecton Hackathon 2022