

AZRUL HAKIMI BIN AZMI

Software Engineer

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Product-minded software engineer with a **strong analytical and systems-engineering** foundation, bridging **engineering, product thinking, and user experiences** to build scalable products that are both **technically robust** and **intuitive to use**.

WORK EXPERIENCE

QBeep Intelligent Systems Sdn. Bhd.

Software Engineer (Full SDLC, Frontend, Backend API Development & System Maintenance)

Kuala Lumpur

Mar 2025 — Present

ResQmeals—Surplus Food Recovering Platform | <https://resqmeals.app/>

(Next.js, React, TypeScript, next-intl, ShadcnUI, NestJS, PostgreSQL, Prisma, Docker, Nginx, Github Actions, Hostinger)

- **Architected a multi-tenant web application** (Admin, Merchant, and Public pages) with optimized SSR routing and custom caching policies, **reducing page load latency by 30-40%** and maximizing SEO discoverability.
- **Supported 50+ active merchants** by designing real-time, interactive dashboard interfaces for live inventory tracking, order states, and multi-tier staff permissions.
- **Decreased manual deployment time from 30 minutes to under 5 (an 83% speedup)** by containerizing services and implementing automated CI/CD pipelines using Github Action.
- **Slashed development time for new modules by 75% and cut client-reported UI bugs by 40%** by leading a refactoring of the legacy codebase and designing a scalable, reusable client-side UI component library.
- **Expanded the platform's addressable market** by integrating next-intl to deploy runtime, multi-language localization supporting English, Bahasa Melayu, and Chinese.

SmartMFDealers CMS Website

(Next.js, React, TailwindCSS, ShadcnUI, Laravel, PHP, MySQL, SenangPay)

- **Rebuilt a secure dealer and transaction management platform from scratch** to handle 1,000+ products, orders, and transactions with secure Role-Based Access Control (RBAC).
- **Boosted page load speeds by 40%** over the legacy corporate version by implementing server-side pagination, query optimization, and lazy image loading.
- **Ensured 100% design system consistency** and accelerated layout building times by developing 20+ highly interactive, reusable UI components.
- **Maximized transaction security and data integrity** by implementing global error-handling middleware, strict server hardening, and high-availability design principles.

Mesiniaga Berhad Digital Sdn. Bhd.

Software Engineer

Subang Jaya

Sep 2023 — Mar 2025

LegalEye—AI-Assisted Contract Review | <https://mesiniaga.com.my/legaleye/>

(Vue.js, Pinia, Tailwind CSS, Vite, Python, FastAPI, PDF.js)

- **Accelerated contract compliance audit speeds by 95%** (surfacing compliance gaps and vague clauses in under a minute) by developing an interactive Vue-based frontend integrated with AI-powered backend.
- **Reduced contract review operational delays by 30%** by designing modular reporting features that auto-generate clean, actionable legal summaries for corporate teams.
- **Enhanced PDF text searching, mobile responsiveness, and UI clarity**, improving cross-device usability.

Minits—AI-Powered Meeting Transcription Tool | <https://mesiniaga.com.my/minits/>

(Vue.js, Tailwind CSS, Python, FastAPI, WebSockets)

- **Reduced manual administrative effort by 70%** (averaging 4-5 hours saved weekly per user) by developing a transcription tool that converts multi-speaker audio into structured, actionable minutes.
- **Achieved a 90% local-language transcription accuracy rate** by implementing multi-speaker recognition and Bahasa Melayu translation models, paired with an **LLM context-injection** engine that ingests uploaded slide decks.
- **Increased user engagement by 60%** by designing an end-to-end task capture workflow that centralizes action items, coupled with background-processed email alerts for long recordings.

HIGHLIGHTED SIDE PROJECTS

NotaLedger—AI-Powered Subscription & Finance Tracker | <https://notaledger.rulkimi.com/>

(Next.js, React, Framer Motion, Vercel AI SDK, Gemini AI, PostgreSQL, Prisma ORM, Docker, Nginx)

Jul 2026 — Present

- **Architected a high-fidelity monolithic full-stack application**, unifying client-side interactive layers with complex backend logic via Next.js Server Actions and API routes.
- **Created "NotaCents," an autonomous conversational AI assistant** that executes real-time spending analysis and transactional database mutations through generative UI tool invocations.
- **Maintained 100% environment parity between local and production runtimes** by containerizing the development setup, deployed on a custom Ubuntu server utilizing Nginx as a reverse proxy.
- **Delivered a frictionless financial workflow** by engineering a cash-flow forecasting engine paired with fluid, responsive user interfaces.

Recipe Generator | <https://recipe-generator.rulkimi.com/recipes/generate>

Jul 2024 — Dec 2024

(Vue.js, Vite, Tailwind CSS, Python, FastAPI, Gemini AI)

- **Constructed an interactive recipe creation application** integrating three distinct search mechanisms (by dish, ingredient lists, and image uploads) with a structured recipe saving workflow.

Bus Location Tracker | <https://bus-location-tracker.rulkimi.com/>

Jun 2024 — Aug 2024

(Vue.js, Python, FastAPI, GTFS API)

- **Engineered a high-availability transit API and responsive map interface** by parsing real-time GTFS (General Transit Feed Specification) feeds for 50+ active routes, maintaining 24/7 client access with minimal downtime.

EDUCATION

Bachelor of Mechanical Engineering, Universiti Malaya

CGPA: 3.71/4.00 (First Class)MUET: Band 4Dean's List: Semester 2, 3, 4, 6 and 8

Kuala Lumpur

Sep 2019 — Jul 2023

Foundation of Engineering, Universiti Teknologi Mara (UiTM)

CGPA: 4.00/4.00

Dengkil

Sep 2018 — Jun 2019

LEADERSHIP EXPERIENCES

Head of Marketing Department for EDMAT43

Engineering Faculty

Universiti Malaya

Jul 2021 — Jul 2022

- Managed the team to **secure 3 corporate sponsorships** (BookDoc, MonstaAsia, and Printcious) through efforts in seeking in-kind and monetary support.

Facilitator of Universiti Malaya Week of Welcome 2020/2021

Kolej Kediaman Raja Dr. Nazrin Shah (12th College)

Universiti Malaya

Oct 2020

- Facilitated orientation activities for **over 1,200 new students**, encompassing both physical and online events.
- Designed **20+ digital branding artworks** for orientation week's activities and oversaw publicity, resulting in a 15% increase in overall attendance and active participation.

CORE SKILLS	Frontend & UIUX	React, Next.js 16, Vue3, Vue2, Nuxt, Tailwind CSS, ShadCN, Figma, PDF.js, Office.js, i18n, Jest				
	Backend	Python (FastAPI), NestJS, Prisma, ORM, SQL, Supabase, REST APIs				
	DevOps	Git, GitHub Action, Nginx, Ubuntu/Linux Server, Hostinger, PM2, Railway, Vercel, Docker				
	Other Tools	Postman, MinIO, Gemini AI, Claude Code				
LANGUAGES	Malay	Native Speaker	English	Highly proficient	Mandarin & Japanese	Conversational

** Professional references can be provided upon request.