

TS. AHMAD AZKA AFIQ

Frontend Developer | Angular | React | TypeScript | Node.js

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PROFESSIONAL SUMMARY

Frontend developer with 8+ years building enterprise web applications across telecommunications, digital media and R&D — and technical lead on a commercial SaaS product live with 4 paying clients. Four years at TM R&D delivering portal frontends for FORCE, a multi-tenant workforce management SaaS serving water utility and telco field operations, where I led UAT readiness through to project sign-off on a custom CCTV-integrated tenant build; currently building a greenfield AI-assisted security incident management portal in Angular 22 and TypeScript. Concurrently lead KejeHub, a multi-tenant React and Node.js business management platform with LHDN MyInvois e-invoicing, taken from first commit to paying clients in 6 months. Full-stack across React, Angular, Node.js, PHP/Laravel and MySQL.

TECHNICAL SKILLS

Frontend: TypeScript, JavaScript (ES6+), Angular 22, AngularJS, RxJS, PrimeNG, React 18, Material UI (MUI), WebixJS, jQuery, HTML5, CSS3, SCSS, Vite, TanStack Query & Table, Formik / Yup, Bootstrap, responsive web design, reusable component architecture, list virtualisation, i18n; Flutter / Dart (prototyping)

Backend & Data: Node.js, Express, PHP, Laravel, Yii2, ASP.NET, MySQL, MariaDB, SQL query optimisation, data warehouse reporting & BI dashboards, multi-tenant SaaS architecture, REST API design & integration, JWT / bcrypt authentication, role-based access control, Bull job queues, database migrations, AJAX, Axios

Integrations & Compliance: LHDN MyInvois e-invoicing, Hikvision CCTV / video surveillance systems, Auth0, AWS Cognito, OTP & reCAPTCHA, Microsoft Entra ID SSO, real-time third-party data feeds, ApexCharts, FusionCharts, Chart.js

UI/UX: Figma (implementing UI/UX team designs), wireframing, prototyping, UX implementation planning, Adobe Illustrator, accessibility linting

Delivery & Practices: Git, GitLab, Agile / Scrum, Jira, User Acceptance Testing (UAT), defect triage, code review, unit testing (Vitest, Karma, Jasmine), ESLint / Prettier, A/B testing, Google Analytics, multi-environment build pipelines, performance optimisation, Linux, cloud deployment

PROFESSIONAL EXPERIENCE

TM Research & Development (TM R&D) | Cyberjaya, Malaysia | R&D arm of Telekom Malaysia, Malaysia's largest telco

Frontend Developer | Aug 2022 – Present

- Building the frontend of RISE, a greenfield AI-assisted incident management portal for security operations — SIEM and email alert intake, triage, ticket and activity workflow, SLA tracking, RBAC and Microsoft Entra ID SSO, and operational dashboards. Established the codebase from scratch in Angular 22 and TypeScript with PrimeNG, RxJS, Chart.js and SCSS, with Vitest unit tests, ESLint and Prettier standards and staged build configurations. In development.
- Portal frontend developer on FORCE, TM R&D's multi-tenant enterprise workforce management SaaS — automated job scheduling and dispatch, live field-team tracking and real-time operations analytics for field technicians and deskless workers. Tenants span water utilities and telco field operations, including SAMB, Ranhill SAJ and Unifi TM (TMFORCE). Built in AngularJS and WebixJS with AJAX, Axios and REST API integration.
- Led frontend UAT readiness for FORCE DSS, a custom tenant build integrating Hikvision CCTV surveillance with field operations — delivered complete and test-ready on the committed date, then resolved defects through testing cycles and facilitated module validation to secure official project sign-off.
- Delivered the portal frontend for FORCE Ranhill SAJ, a custom tenant build on the shared FORCE core, contributing from the design and development-planning stage — translating the client's business requirements into technical solutions for a clean handover into development.
- Built reusable, modular UI components adopted across platform modules to improve maintainability and speed up new-screen delivery, and serve as backup backend developer for API development, system integration and server-side tasks during resourcing gaps.

KejeHub | Malaysia | Commercial cloud business management SaaS for retail and gold trading businesses | kejehub.com

Technical Lead & Full-Stack Developer | Jan 2025 – Present | Concurrent with full-time role at TM R&D

- Lead the technical build of KejeHub, a multi-tenant cloud business management platform live with 4 paying clients in retail and gold trading; own architecture, data model, API design and release delivery, directing a small team including a UX/UI designer.
- Took the platform from first commit to production in 6 months, shipping MyInvois compliance to onboard the first paying client on the 1 July 2025 e-invoicing deadline (LHDN Phase 3), then adding three more from the January 2026 Phase 4 wave (RM1m–RM5m turnover).

- Integrated LHDN MyInvois for statutory Malaysian e-invoicing, replacing manual invoice entry for every client, and added real-time gold price feeds with historical trend tracking and buyback management.
- Delivered multi-company and multi-branch tenancy with menu-level role-based access control, customer and supplier invoicing, payment tracking, expense categorisation, and profit-and-loss, sales, purchase and user-activity reporting with PDF, Excel and CSV export.

The Edge Malaysia | Kuala Lumpur, Malaysia | Malaysia's leading financial and business media group

Frontend Developer | Jul 2021 – Aug 2022 | *Marketing team — advertiser campaign delivery*

- Built interactive rich-media display advertising for advertiser campaigns running on theedgemalaysia.com — animated and expandable ad units developed in HTML5, CSS3, JavaScript and jQuery for a high-traffic financial news audience.
- Increased advertising click-through rate 10% by A/B testing creative variants and tracking impressions, clicks and engagement in Google Analytics.
- Designed and built the company's event and awards microsites, lifting user retention 15% — responsive builds in JavaScript, jQuery and Bootstrap. Live work: [Billion Ringgit Club Awards 2021](#) | [TEPEA 2021](#) | [Most Read Articles & Infographics](#) | [The Edge Books](#)
- Worked closely with designers to translate visual concepts into working screens, ensuring consistent rendering across mobile and desktop.

Digi Telecommunications | Shah Alam, Selangor, Malaysia | One of Malaysia's largest mobile network operators

System Engineer | Mar 2020 – Jul 2021 | *Promoted from Software Engineer*

- DATA Software Engineer on the six-person team behind NEO 4.0, Digi's in-house data and automation platform (data warehouse, workflow engine, machine learning models and BI reporting on AWS) — maintained and extended its PHP web portal, delivering network and business KPI dashboards, bulk data upload, site and configuration screens and change-request workflows.
- Wrote and tuned SQL against the network data warehouse, optimising slow queries over high-volume datasets so the live dashboards and reports used by network engineering returned faster.
- Ran requirements sessions with customers, business analysts and technical consultants, documenting product configuration specifications and applying systems engineering methods to commission configured products.

Software Engineer | May 2019 – Mar 2020

- Reduced manual testing effort 30% by building automated test frameworks for real-time data processing.
- Improved data accuracy 25% by developing real-time data processing modules for the platform's data pipeline.
- Supported global in-house software systems through updates and feature enhancements, working across front-end (HTML5, JavaScript, CSS, jQuery) and back-end (PHP, Laravel, Yii2) with MySQL.

EARLY CAREER

Junior Frontend Developer — Sprintla Sdn Bhd | Mar 2019 – May 2019 | *Marketplace connecting students with printing vendors*

- Integrated data from backend services and databases, refined technical requirements with stakeholders, and produced technical documentation, working with UX designers to align functionality with visual design intent.

Web Programmer — BaitulJannah Sdn Bhd | Shah Alam | Oct 2018 – Dec 2018

- Delivered web applications end to end — planning, development, testing, deployment and support.

Software Developer Intern — Alam Flora Sdn Bhd | Glenmarie, Shah Alam | Mar 2018 – Aug 2018

- Built Marvelous™, an integrated cloud-based fleet and on-vehicle operations gateway on Raspberry Pi (ASP.NET, Linux/Raspbian) supporting 4+ cameras, CAN bus, G-sensor and GPS/GSM data capture.

KEY PROJECTS

KejeHub — Technical Architecture | Live production SaaS, 4 clients | Jan 2025 – Present | [kejehub.com](#)

- Frontend: React 18, Material UI 5, Vite, TanStack Query & Table, Formik/Yup validation, ApexCharts, react-window virtualisation, drag-and-drop interfaces, Framer Motion, react-intl i18n, PDF rendering, staged QA and production builds.
- Backend: Node.js and Express REST API on MySQL, JWT/bcrypt auth, menu-level RBAC, Helmet and rate limiting, Bull job queues, versioned DB migrations, ExcelJS/CSV export. Multi-provider auth via Auth0, AWS Cognito, OTP and reCAPTCHA.

FORCE — Enterprise Workforce Management Platform | TM R&D | 2022 – Present

- Custom tenant portals: FORCE DSS, FORCE Ranhill SAJ. Other tenants: SAMB, Unifi TM (TMFORCE), MYFORCE. Stack: AngularJS, WebixJS, AJAX, Axios, ApexCharts, FusionCharts, Bootstrap. [tmrnd.com.my/force](#)

EDUCATION & CREDENTIALS

Professional Technologist (Ts.) | Malaysia Board of Technologists (MBOT), ICT | Reg. No. PT24110074 | Since Nov 2024

Bachelor of Computer Science | Management and Science University, Malaysia | 2016 – 2018

Diploma in Information Technology | MSU College, Malaysia | 2013 – 2016

Languages: Bahasa Malaysia (native) | English (professional working proficiency)