

Hilman Ahmad

Technical Lead | Full Stack Developer | Angular • React • Spring Boot

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Professional Summary

Technical Lead and Full Stack Developer with 5+ years of experience building scalable web applications and leading cross-functional engineering teams. Proven track record in Angular, React, and Spring Boot, with hands-on expertise in Agile delivery, CI/CD practices, and UI/UX collaboration. Adept at mentoring junior developers, driving structured release cycles, and translating business objectives into high-quality digital solutions.

Work Experience

Technical Lead & Senior Front End Developer

Mandrill Tech Sdn Bhd • November 2023 — Present

- Spearheaded a cross-functional engineering team of 6 developers, driving full stack development using Angular, React and Spring Boot to deliver business-critical web applications on time and within scope.
- Served as Scrum Master, facilitating Agile ceremonies including sprint planning, daily stand-ups, and retrospectives — improving sprint velocity by 80% and reducing inter-team blockers.
- Designed and enforced a structured 4-week release cycle integrated with CI/CD pipelines, achieving consistent and high-quality production deployments with zero critical rollbacks.
- Established code review standards and conducted regular pull request reviews, reducing bug escape rate and accelerating onboarding for 2 junior developers through structured mentoring.
- Collaborated with product and design teams to create wireframes and high-fidelity interactive prototypes in Figma, bridging technical implementation with user-centred design requirements.

IT Engineer

Porsche Malaysia (Sime Darby Auto Performance Sdn Bhd) • February 2023 — November 2023

- Drove end-to-end implementation of an enterprise sales management system, managing low-code configuration, user acceptance testing (UAT), and post-deployment customisations to digitise previously manual sales workflows across 4 branches and 20+ sales personnel.
- Engineered a custom internal business intelligence dashboard using Angular in collaboration with the Business Development team, delivering real-time insights across sales, marketing, and finance functions to support faster, data-driven decision making — replacing manual Excel reporting and serving internal staff across 3 departments.
- Deployed, monitored, and maintained enterprise applications in an on-premises infrastructure as part of a lean 2-person IT team, ensuring high system availability, security compliance, and optimal performance across production environments.

Senior Front End Developer & Software Developer

ServeDeck Innovation Sdn Bhd • June 2021 — January 2023

- Engineered scalable, high-performance web applications using Angular and TypeScript, consistently adhering to industry best practices including component-based architecture and lazy loading optimisation.
- Conducted rigorous pull request reviews across the team codebase, enforcing coding standards, identifying performance bottlenecks, and providing constructive feedback to improve overall code quality and consistency.
- Architected and maintained a shared component library of reusable UI components and global utility classes using Angular and PrimeNG, reducing front-end development time by 80% and ensuring visual consistency across the product.
- Designed and implemented standardised project architecture and boilerplate templates, cutting developer onboarding time and establishing scalable structural foundations adopted across 3+ projects.
- Led Angular version migrations and third-party library upgrades, maintaining a modern, secure, and performant codebase while minimising breaking changes and ensuring backward compatibility.

Web Developer

TM Research & Development Sdn Bhd • May 2020 — June 2021

- Developed a responsive internal staff appraisal web application using Angular, translating Adobe XD design specifications into high-quality, maintainable code deployed across TM branches nationwide — serving 80+ staff across Malaysia.
- Architected reusable UI components and global utility classes within a 10+ member cross-functional team comprising developers, testers, and designers, ensuring visual consistency and accelerating development velocity across the project.
- Integrated RESTful APIs developed by the backend team using Node.js, bridging front-end Angular components with server-side logic to deliver a seamless and fully functional appraisal workflow experience.
- Collaborated closely with UI/UX designers using Adobe XD and Node.js backend developers within an Agile team environment, ensuring seamless handoff between design, front-end, and backend layers throughout the development lifecycle.

Skills

Languages

JavaScript, TypeScript, Java, HTML, CSS, SQL, GraphQL

Libraries & Frameworks

Angular, Spring Boot, NgRx, React, Next.js, PrimeNG, Angular Material, TailwindCSS, Prisma, RxJS

Tools & Platforms

Git, GitHub, Jira, Bitbucket, Vercel, Jenkins, Docker, Figma, PostgreSQL, DBeaver, Kubernetes

Methodologies & Practices

Agile, Scrum, Scrum Master, CI/CD, Code Review, Technical Leadership, UI/UX Collaboration, REST API

Soft Skills

Team Leadership, Mentoring, Cross-functional Collaboration, Stakeholder Communication, Problem Solving

Selected Projects

Lestar • lestar.ai

Empower strategic decisions with predictive analytics, real-time insights, and intuitive AI-driven user interaction.

Role: *Technical Lead • Scrum Master • Full Stack Developer*

Tech Stack: *Angular • PrimeNG • TailwindCSS • Spring Boot*

MoneyX • moneyx.com.my

Enhance your financial management with MoneyX, an AI-driven platform that empowers you to improve your financial literacy and streamline your financial operations.

Role: *Senior Front End Developer*

Tech Stack: *Angular • PrimeNG • TailwindCSS • Spring Boot*

ServeDeck • www.servedeck.com

The all-in-one facility operations and management solution that raises organisational efficiency to whole new levels.

Role: *Senior Front End Developer*

Tech Stack: *Angular • Angular Material • TailwindCSS • Spring Boot*

TornadoByte • www.tornadobyte.com

A collaborative web development initiative exploring diverse projects including financial tools, prayer time trackers, and productivity apps.

Role: *Developer (Personal)*

Tech Stack: *Next.js • PrimeReact • TailwindCSS • Vercel*

KiraLoan • kiraloan.tornadobyte.com

A web application designed to facilitate financial calculations, presenting visual results such as amortisation tables and principal/interest graphs.

Role: *Developer (Personal)*

Tech Stack: *Next.js • PrimeReact • TailwindCSS • Vercel*

Jayd • jayd.tornadobyte.com

A Muslim prayer time tracker integrating real-time JAKIM API data, built with GraphQL and Prisma for dynamic, location-aware prayer time updates.

Role: *Developer (Personal)*

Tech Stack: *Next.js • PrimeReact • TailwindCSS • Vercel • Prisma • GraphQL*

[More projects at hilmanahmad.com/project](http://hilmanahmad.com/project) →

Education

Master of Philosophy (Electrical Engineering) with Computational Nano-electronics Major
Universiti Teknologi Malaysia, Johor • 2017 — 2020

Bachelor of Science (Honour) Physics
Universiti Teknologi MARA, Pahang • 2014 — 2017