

# Muhammad Afif Alfiano Hermasyah

Frontend Engineer | Angular, Ionic & React Specialist

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## PROFESSIONAL SUMMARY

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Frontend Engineer with 5+ years of experience architecting Angular, React, and Ionic applications for international teams and millions of users. Specialized in micro-frontend architecture (Module Federation), performance optimization (up to 99.8% main thread reduction), and cross-platform observability tooling (Grafana Faro on Angular, Vue, and Ionic native apps). Proven track record of owning full delivery cycles from PRD/TRD authoring to production deployment and mentoring junior developers. Currently learning German (A1, targeting B2). Open to remote roles and relocation to Europe (visa sponsorship required).

## EXPERIENCE

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### Frontend Engineer | Jublia | Apr 2025 – Present

*Jublia is a Singapore-based B2B event tech company powering world-class events — including ITMA, Gulfood, and DIBS — through data-driven business matching and networking analytics.*

- Implemented Grafana Faro observability across Angular, Vue, and Ionic native apps, enabling unified error tracking and performance monitoring on web and mobile.
- Offloaded heavy computations to Web Workers, reducing main thread blocking by up to 99.82% and averaging ~65% performance improvement.
- Architected a white-label Angular platform with dynamic config, enabling faster multi-client deployment with cleaner, maintainable UI across clients.
- Migrated Angular from module-based to full standalone architecture, reducing build time by ~14% and improving long-term maintainability.
- Maintained cross-platform apps (iOS and Android) with Angular and Ionic from a single codebase, supporting multiple clients across various production events.
- Authored TRD and PRD docs, owning the full delivery cycle from requirements and development to testing and deployment.
- Leveraged AI tools (Claude, GitHub Copilot) to assist coding, code review, documentation, and performance improvement, enhancing overall dev workflow efficiency.

### Frontend Developer | PT Cerdas Digital Nusantara (Cakap) | Jan 2023 – Apr 2025

*Cakap is an upskilling platform in Indonesia with more than 4 million users, connecting learners with over 2,000 teachers from 10 different countries.*

- Profiled and optimized web app performance, achieving a 20% improvement.
- Built reusable component libraries, cutting future development time by 30%.
- Integrated observability tools to instrument user events, enabling data-driven product decisions.
- Launched a private GitLab registry library, improving dev process efficiency by 20%.

### Frontend Developer | Badan Sistem Informasi UII (BSI UII) | Sep 2020 – Dec 2022

*BSI UII is the central IT division of Universitas Islam Indonesia, responsible for enterprise information systems and digital platforms serving ~30,000 students, faculty, and staff.*

- Introduced Module Federation micro-frontend architecture, cutting build time by 50%.
- Implemented Cypress E2E testing, reducing manual QA effort by 15%.

- Led delivery of 4 Angular web apps, driving a 40% increase in user satisfaction.
- Built a shared component library, reducing duplicate code by 20% across teams.
- Implemented WCAG accessibility standards, earning institutional recognition.
- Mentored 2 junior developers via code reviews, raising overall team code quality.

### **UI/UX Designer | Badan Sistem Informasi UII (BSI UII) | Jan 2020 – Aug 2020**

*BSI UII is the central IT division of Universitas Islam Indonesia, responsible for enterprise information systems and digital platforms serving ~30,000 students, faculty, and staff.*

- Created high-fidelity wireframes and prototypes in Figma for key product features.
- Built Figma design systems and component libraries for cross-team consistency.
- Produced product documentation and user manuals to support feature launches.

### **IT Support | Badan Sistem Informasi UII (BSI UII) | Jan 2019 – Dec 2019**

*BSI UII is the central IT division of Universitas Islam Indonesia, responsible for enterprise information systems and digital platforms serving ~30,000 students, faculty, and staff.*

- Managed and improved website content on [bsi.uui.ac.id](http://bsi.uui.ac.id) using WordPress.
- Handled system complaints from stakeholders, ensuring prompt and professional resolution.
- Performed PC and laptop reinstallations to minimize user downtime.
- Designed promotional materials to raise awareness of UIIAcademy initiatives.

## **PROJECTS**

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### **Personal Developer Hub (pipdev.net) | Angular, Next.js, Nginx, VPS | pipdev.net**

Self-hosted platform to showcase open-source tools and production-ready web apps. Manages the full deployment pipeline from local development to VPS provisioning and Nginx reverse proxy configuration, serving multiple live projects under one domain.

### **Personal AI Financial Assistant | OpenCode, Claude API, Telegram Bot API, Google Sheets API**

AI-powered personal finance assistant with persistent memory and natural language expense tracking. Features scheduled heartbeat monitoring for uptime reliability, automated categorization of transactions, and a Google Sheets data layer, all accessible via a Telegram chat interface.

### **Filter-ticket: ISP Customer Care App | React, Redux Toolkit, TailwindCSS, PusherJS**

Production-ready customer care platform for ISP companies. Delivers real-time complaint tracking via WebSockets (PusherJS), push notifications, role-based access control (admin, agent, customer), and an analytics dashboard with ticket resolution metrics.

### **Monitor-subscription: Angular NPM Library | Angular, TypeScript, RxJS | Published on npm**

Published open-source Angular library for monitoring, tracking, and auto-unsubscribing RxJS observables in real-time, preventing memory leaks in Angular applications. Compatible with Angular 12 to 18; available on the public npm registry.

## **EDUCATION**

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### **Universitas Teknologi Digital Indonesia | Sep 2019 – May 2023**

Bachelor of Informatics Engineering | **GPA: 3.78 / 4.00**

Yogyakarta, Indonesia

## LANGUAGES

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**Bahasa Indonesia** – Native

**English** – Professional Working Proficiency (B2)

**German** – Actively learning (A1, targeting B2)

## SKILLS

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### Hard Skills

**Languages:** JavaScript (ES2020+), TypeScript (strict mode), Node.js, SQL

**Frameworks & Libraries:** Angular, React.js, Next.js, Vue, Ionic, NgRx, Redux, Jest, Cypress, Capacitor

**Architecture & Patterns:** Micro-frontend (Module Federation), SSR, State Management, PWA, Jamstack, REST APIs, WebSockets

**Cloud:** VPS(Linux, Nginx), Docker, Github Action, CI/CD basic Deployment

**Performance & Quality:** Web Vitals, Web Performance Optimization, Chrome DevTools, Unit / Integration / E2E Testing, WCAG

**AI & Emerging Tools:** Claude API, GitHub Copilot, Gemini, AI Agent Development (OpenCode), AI-assisted Dev Workflows, AI Agentic Workflow

**Workflow & Tooling:** Git, GitLab CI/CD, GitHub Actions, Jira (Agile/Scrum), Figma, Postman, Notion, Slack

### Soft Skills

Technical Leadership · Cross-functional Collaboration · Mentoring & Coaching · Technical Documentation · Problem Solving · Agile / Scrum · Remote-first Communication · Continuous Learner · Reliable · Persistent