AHMAD SYAIFULLOH



Web Developer (Primary Focus) • Ongoing Mobile Development

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PROFESSIONAL SUMMARY

Undergraduate Informatics Engineering student at State University of Surabaya (UNESA), originating from Wonogiri, Central Java. Primarily focused on modern full-stack web engineering (Next.js, React, TypeScript, Python Django) with an ongoing experience track in mobile development. Demonstrated track record in developing full-stack boarding school management platforms (SIMAPON), sub-second real-time scoreboard controllers via WebSockets (LaskarSpace), and integrated alumni directories (KitaSantri). Expanding competencies into distributed messaging protocols (XMPP), document databases (MongoDB), and API testing with Postman. Passionate about performance optimization, clean code architecture, and high-impact digital solutions.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript (ES6+), Python, C++, Java, PHP, HTML5, CSS3 / Tailwind CSS
Frameworks & Libs:	Next.js (App Router & Turbopack), React.js, Python Django, Laravel, Framer Motion
Databases & Protocols:	**MongoDB**, PostgreSQL, Supabase Realtime, **XMPP Protocol**, WebSockets, REST APIs, Sanity CMS
Developer Tools:	**Postman (API Testing)**, Git, GitHub, VS Code, Vercel CI/CD, Linux Environment
Design & Multimedia:	Figma (UI/UX Prototyping), Adobe Photoshop, Canva, OBS Studio, Microsoft 365 (Word, Excel, PowerPoint)

FEATURED PROJECTS

SIMAPON – Integrated Boarding School Management System simapon.firnansyah.web.id
Lead Full-Stack Developer | Python, Django, PostgreSQL, Tailwind CSS

- Architected an end-to-end web management platform for student monitoring, digital attendance, tuition (SPP) payments, and permit administration.
- Engineered optimized relational database schemas in PostgreSQL, reducing administrative paperwork processing time by ~60%.
- Enforced strict Role-Based Access Control (RBAC) ensuring robust data privacy and security standards.

LaskarSpace Scoreboard – Real-Time Digital Scoreboard laskar-space.vercel.app
Frontend & Real-Time Engineer | Next.js, TypeScript, Supabase WebSockets, Tailwind CSS

- Engineered a low-latency digital scoreboard system with sub-second bi-directional synchronization via Supabase WebSockets.
- Built an intuitive mobile-friendly remote controller interface allowing referees to manage timers, scores, and fouls from handheld devices.
- Achieved 98+ Google Lighthouse Performance score through aggressive tree-shaking and Next.js App Router optimizations.

KitaSantri – IKADHA 25 Alumni Network Portal ikadha25.vercel.app
Full-Stack Developer | Next.js, React, Supabase, Tailwind CSS

- Built a centralized alumni portal featuring instant search, dynamic taxonomy filters, and secure database authentication.
- Integrated client-side image compression prior to cloud bucket uploads, saving up to ~70% storage and bandwidth consumption.

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Faculty of Engineering Media and Information Team – UNESA 2025 – Present
Media & Publications Team Member | Surabaya, Indonesia

- Co-manage official faculty communication channels and multimedia broadcasts, ensuring brand consistency across digital materials.
- Collaborate in producing engaging creative content, press documentation, and academic event publications.

Informatics Student Association (HMP TI) – UNESA 2025
Technical & Publication Committee – National Webinar 'Smart Entrepreneur'

- Spearheaded live streaming infrastructure and audio-visual setups for a nationwide webinar attended by hundreds of participants.

Darul Huda Mayak Islamic Boarding School 2024
Secretary – Year-End Graduation Committee (Haflatul Imtihan Akhirassanah) | Ponorogo, Indonesia

- Managed official correspondences, recorded hundreds of graduate profiles, and coordinated cross-divisional logistic workflows.

EDUCATION

Universitas Negeri Surabaya (UNESA) 2025 – Present
Bachelor of Science in Informatics Engineering (S1 Teknik Informatika), Faculty of Engineering

- Relevant Coursework: Software Engineering, Data Structures & Algorithms, Object-Oriented Programming, Database Systems.

MAS Darul Huda, Ponorogo Graduated 2024
High School Diploma – Social Sciences (IPS / Ilmu Pengetahuan Sosial)