Muhammad Faizal Zain

Full-Stack Developer | Cloud (AWS)

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PROFESSIONAL SUMMARY

Full-Stack Developer and Founder of Neoslabs with hands-on experience building web applications end to end, from system design and application architecture to responsive frontends, REST APIs, databases and AWS serverless deployments. Currently a 7th-semester Information Technology Education student at Universitas Negeri Surabaya (UNESA) and Guest Instructor in network administration at SMK Canda Bhirawa Pare. Proficient in business management applications (ERP, POS, CRM), cybersecurity fundamentals (OWASP, penetration-testing tools) and AI-assisted development workflows that accelerate delivery. Fluent in English with strong public speaking and technical mentoring skills.

TECHNICAL SKILLS

Frontend Development: HTML5, CSS3, JavaScript, TypeScript, React, Vue.js, Next.js, jQuery, Tailwind CSS, Bootstrap, Sass, Material-UI, Figma

System Design & Architecture: System Design, Application Architecture, REST API Design, Database Schema Design, Serverless Architecture (AWS)

Backend Development: PHP, Laravel, CodeIgniter, Symfony, Node.js, Express.js, NestJS, Python, Django, Flask, C#, .NET, REST API, GraphQL

Databases & Caching: MySQL, PostgreSQL, MongoDB, Redis, SQLite, Amazon DynamoDB

Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB, S3, CloudFront, IAM), Docker, Nginx, Apache, Linux, Bash, Git, GitHub, Composer, NPM, Yarn, Webpack, Vite

Mobile Development: Flutter, Dart, Android

Cyber Security: Kali Linux, Burp Suite, Wireshark, Metasploit, OWASP, Linux, Bash, HackTheBox, TryHackMe

Business Applications: ERP, POS, CRM (business management applications)

Other Technologies: Firebase, Socket.io, JWT, Postman, VS Code, C++, Java, Python

AI & Productivity: AI-Assisted Development, Prompt Engineering, Generative AI Tools for Coding, Debugging and Documentation

Languages: Indonesian (Native), English (Fluent / Professional Proficiency)

Soft Skills: Public Speaking, Interpersonal Communication, Technical Mentorship, Team Leadership, Client Negotiation

PROFESSIONAL EXPERIENCE

Neoslabs (neoslabs.site) February 2026 – Present
Founder & Full-Stack Developer

- Founded Neoslabs and lead end-to-end development of a B2C digital product, from requirements gathering and UI/UX design to implementation and deployment.
- Design the overall system architecture of the product, including application structure, data model, API layer and deployment setup, to keep it maintainable and ready to scale.
- Build full-stack features with REST APIs, JWT-based authentication and database integration (MySQL, PostgreSQL, MongoDB).
- Use AI-assisted development workflows to accelerate prototyping, debugging and documentation while maintaining code quality through review.
- Manage source code with Git and GitHub and prepare deployments with Docker and Nginx.
- Translate user and business needs into clear technical deliverables and product features.

SMK Canda Bhirawa Pare, Kediri, Indonesia
Guest Instructor, Computer Network & Telecommunications Engineering (TJKT)

- Teach Network System Administration, Network Infrastructure Administration and Network Services Technology to vocational high school students.
- Use public speaking skills to break complex networking concepts into clear lessons supported by hands-on practice.
- Prepare lesson materials and practical exercises that connect theory with real-world network configuration.

KEY PROJECTS

Serverless URL Shortener | AWS API Gateway, Lambda, DynamoDB, S3, CloudFront
github.com/faizalzn

- Built a serverless REST API to create short URLs and redirect users to the original destinations.
- Stored data in DynamoDB and served a static frontend through S3 and CloudFront over HTTPS.
- Applied IAM roles following the principle of least privilege for every Lambda function.

Full-Stack Web Applications | React, Next.js, Node.js, Laravel, PHP, MySQL, PostgreSQL, Redis
github.com/faizalzn

- Developed web platforms such as portals, dashboards and e-commerce style applications with secure database integration.
- Optimised database queries and applied caching strategies (Redis) to improve system performance.

Cross-Platform Mobile Applications | Flutter, Dart, REST API
github.com/faizalzn

- Engineered interactive mobile applications with Flutter and REST API integrations.
- Implemented responsive UI/UX designs for a consistent experience across devices.

EDUCATION

Universitas Negeri Surabaya (UNESA) 2023 – Present
Bachelor of Information Technology Education (Currently in 7th semester)

SMA Negeri 1 Ponorogo 2020 – 2023
High School Diploma