Mohammad Nurfahmi Sugiarto

Software Engineer (Backend, .NET & TypeScript)

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Open to remote contract roles with US time-zone overlap | Requires visa sponsorship for on-site roles

Summary

Software engineer with 4 years of experience building production systems in .NET, TypeScript and Go. Works across the full project lifecycle: acting as system architect to design solutions from scratch, developing features, maintaining production systems and making sure what gets built truly meets user needs. Recipient of Rookie of the Year at DOT Indonesia (2025).

Technical Skills

Languages: C#, TypeScript, JavaScript, Go, Rust, SQL
Backend: .NET, ASP.NET Web API, NestJS, Express.js, tRPC, REST APIs, JWT, Zod
Frontend: React, Next.js, TanStack, Inertia.js, Redux
Data: Microsoft SQL Server, PostgreSQL, MySQL, MongoDB, Redis, TypeORM, Prisma, Drizzle ORM
Architecture: Microservices, Nx monorepo, system design, caching, performance tuning, third-party integrations
Infra & Tools: Docker, PM2, Amazon S3, GitLab, GitHub, Git

Experience

Web Crawler Engineer **Feb 2026 – Present**
Socialcrab *Full-time, Remote*

- Built a crawling engine that collects Instagram and TikTok data by profile and by keyword.
- Built an AI agent that labels each crawled post and generates reports for Instagram and TikTok.

Backend Engineer **Mar 2024 – Present**
DOT Indonesia (software development agency), Malang *Full-time*

- Build and maintain backend services in .NET (ASP.NET Web API) on Microsoft SQL Server and MySQL, with Redis caching for performance tuning.
- Integrate third-party services into client systems and contribute to a microservices architecture.
- Built backends for a recruitment portal for MIND ID (Indonesia's state-owned mining holding) and a property management system for Kalla Group (Indonesian conglomerate) with NestJS, TypeScript and TypeORM.
- Received the Rookie of the Year award (2025), progressing from intern (2024) to contract to full-time engineer (2025).

Full Stack Engineer **Aug 2025 – Jan 2026**
Bsmart A.I. *Freelance, Remote*

- Developed AI-powered product features across the stack with Rust, NestJS, React and TanStack.
- Refactored existing code to improve maintainability and resolve production issues.

Backend Engineer **Jun 2023 – Feb 2024**
Universitas Islam Nusantara (UNINUS) *Freelance, Hybrid*

- Built internal applications for the university's academic systems as microservices in a monorepo (UNINUS Super Apps), using NestJS, Next.js, PostgreSQL and Prisma.
- Designed the database schema, wrote API documentation and handled deployment with PM2, with file storage on Amazon S3.

Early Experience **Aug 2022 – Jul 2023**
Skilvul, Ruangguru *Remote*

- Assistant Mentor at Ruangguru, teaching React to bootcamp students; completed two government-backed independent study programs in front-end and full-stack web development (React, Node.js, Express.js, MongoDB).

Education

Universitas Islam Nusantara **Sep 2024**
Bachelor of Engineering (B.Eng.) in Informatics Engineering