

Muhammad Nur Maulana

Full-Stack Software Engineer & Mobile Systems Architect

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PROFESSIONAL PROFILE

Software engineer with proven experience designing and delivering resilient full-stack web platforms and offline-first mobile applications. Proficient in Next.js 16, React 19, TypeScript, Golang microservices, and Flutter architectures. Passionate about sub-millisecond cache latency, clean architecture, and snappy UX.

CORE TECHNICAL COMPETENCIES

Frontend & Web:	TypeScript, JavaScript (ESNext), Next.js 16 (App Router), React 19, Tailwind CSS, GSAP
Mobile Development:	Flutter 3.x, Dart, Riverpod 2.0, Offline-First SQLite Engines, Native Platform Channels
Backend & Systems:	Go (Golang), gRPC, Protocol Buffers, Node.js, Express, REST APIs, Redis Caching
Database & Cloud:	PostgreSQL, Neon Serverless, Prisma ORM, Docker, Vercel Blob, Git, CI/CD Actions

SELECTED WORK EXPERIENCE

Lead Full-Stack & Systems Engineer 2024 - Present

Digital Atelier Systems

- Architected scalable web applications using Next.js 16 App Router, React 19 Server Actions, and Neon PostgreSQL.
- Engineered sub-millisecond cache invalidation strategies using Redis, improving response times by over 40%.
- Constructed an interactive admin management studio with TipTap newsroom editing and direct Vercel Blob streaming.

Mobile Systems Engineer 2022 - 2024

Freelance & Open Source Contributor

- Designed offline-first synchronization engines in Flutter with SQLite persistence and idempotent HTTP sync.
- Implemented clean domain-driven architecture utilizing Riverpod 2.0 with asynchronous notifier state machines.
- Authored open-source developer toolkits and articles on state hydration and performant custom hooks.

Backend & Microservices Developer 2021 - 2022

Enterprise Cloud Solutions

- Built resilient gRPC microservices in Go with circuit breaker patterns and buffered worker pools.
- Optimized high-concurrency background job processors handling thousands of concurrent tasks without memory leaks.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Science / Software Engineering

Focus on Distributed Systems, Cloud Architecture, and Software Engineering Principles