

Ahmed Nizhan Haikal

Backend & Full-Stack Developer

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SUMMARY

Software engineer who builds full-stack and backend systems end to end, ranging from a geospatial vehicle-tracking platform to event-driven microservices, with .NET, Node.js, Java, and React. Focused on clean data models, secure authentication, and APIs that hold up in production.

WORK EXPERIENCE

Sagara Technology
Fullstack Developer · Full-time

May 2026 - Present
BSD, Indonesia

- Built a full-stack logistics platform that handled **5,000+ orders a day** with live location tracking for every vehicle in its respective order, using a React 19 (TanStack Start) frontend and an ElysiaJS/Bun backend in a pnpm monorepo.
- Improved routing accuracy by mining historical location data to generate GraphHopper via-points between stops, so routes followed best routing from historical data.
- Modeled the geospatial data in PostgreSQL with PostGIS (through Prisma) to store and query live vehicle positions and location-based alerts.
- Built secure JWT authentication (Web Crypto API) with automatic token refresh coordinated across browser tabs.
- Delivered a responsive, localized interface using TanStack Query and Router, Ant Design, and Tailwind CSS.

K-Appraisal
Software Developer · Full-time

Feb 2026 - Apr 2026
Jakarta, Indonesia

- Engineered a scalable full-stack business-digitalization platform using React and .NET to streamline enterprise workflows.
- Architected database schemas and system data flows for a distributed microservices architecture, ensuring high availability.
- Implemented secure authentication, CRUD operations, and strict Role-Based Access Control (RBAC).
- Developed dynamic PDF generation with templating capabilities for flexible business needs.
- Built event-driven services using RabbitMQ for streamlined business workflows.

Apple Developer Academy
Apple Platform Developer · Internship

Mar 2025 - Dec 2025
South Tangerang, Indonesia

- Engineered native iOS and iPadOS applications with Swift, SwiftUI, and SwiftData, focused on reactive, user-centric interfaces.
- Participated in end-to-end product lifecycles, translating user research and prototyping into functional UI/UX designs.
- Architected cloud-based backend services and REST APIs with FastAPI and Supabase for real-time data synchronization.

Alto Network
Backend Developer · Internship

Sep 2024 - Dec 2024
Jakarta, Indonesia

- Developed backend APIs and internal reporting systems with Java Spring Boot, optimizing secure data retrieval.
- Created ERD and DFD documentation to bridge business requirements with technical system implementations.
- Collaborated cross-functionally to ensure data accuracy, system reliability, and seamless API integrations.

Bakrie Center Foundation
Software Engineer · Internship

Feb 2024 - Jul 2024
Jakarta, Indonesia

- Designed and implemented a highly normalized MySQL schema to securely support core application features.
- Built scalable RESTful backend services with Node.js to handle complex business logic and streamline data access.
- Acted as technical PIC, coordinating tasks, conducting code reviews, and communicating requirements with stakeholders.

SELECTED PROJECTS

Medical Visual Question Answering

Freelance

- Built a medical visual-question-answering system with TensorFlow, a custom image-upload interface, and a medical knowledge-base API integration. (Python, TensorFlow, Medical AI)

Contraction Timer iOS App

Freelance

- Designed and shipped a native iOS utility with a reactive UI for tracking contraction frequency, custom tab views, and swipe-to-edit/delete actions. (SwiftUI, Reactive UI)

SKILLS

Backend & APIs	C#, .NET, Node.js, Java, Spring Boot, Python, FastAPI, Go
Frontend & Mobile	React, TypeScript, TanStack, Tailwind CSS, Swift, SwiftUI, SwiftData
Data & Architecture	PostgreSQL, MySQL, Prisma, Supabase, RabbitMQ, Microservices

EDUCATION & AWARDS

Universitas Pembangunan Nasional Veteran Jakarta
Bachelor of Computer Science · GPA 3.87 / 4.0

Aug 2021 - Sep 2025
Jakarta, Indonesia

Gemastik Finalist
Top 10 nationally in the Kemendikbudristek IT competition

Nov 2022
Project: ANKERSAL