Muhammad Alif Islam

Fullstack Engineer | Web3 Developer | Mobile Developer
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SUMMARY

Fullstack Engineer with experience building Web2, Web3, and mobile applications from concept to deployment. Skilled in frontend development, backend systems, smart contract development, API integration, and database engineering using PostgreSQL, MySQL, and MongoDB.

Experienced in designing scalable data-driven applications and delivering end-to-end solutions across web, blockchain, and mobile ecosystems. Leverages AI-assisted development workflows, coding agents, and MCP integrations to improve engineering productivity, software quality, and development efficiency.

EXPERIENCE

Independent / Freelance — Remote, Indonesia
Fullstack Developer (Web2, Web3 & Mobile) — September 2022 - Present
- Designed and developed Web2, Web3, and mobile applications for personal, freelance, and hackathon projects.
- Built frontend interfaces using React.js, Next.js, and React Native.
- Developed backend services using Node.js, Express.js, Laravel, and Flask.
- Designed and managed PostgreSQL, MySQL, and MongoDB databases.
- Developed and integrated Solidity smart contracts for decentralized applications.
- Delivered end-to-end products from UI/UX design through deployment.

Mycelium Network — Remote, Global
Ambassador — January 2025 - May 2025
- Promoted Mycelium Network and engaged with the community across X/Twitter, Telegram, and Discord.

PT. Arista Mitra Lestari — Kuningan, West Java, Indonesia
Marketing Support Specialist — February 2020 - April 2024
- Provided administrative and operational support for marketing activities.
- Recognized with the Most Data Input Award for maintaining high-volume and accurate data entry within the DPack system.
- Performed campaign performance analysis and generated data-driven recommendations.

PT. Central Santosa Finance — Kuningan, West Java, Indonesia
Credit Marketing Officer — August 2018 - February 2019
- Collected, validated, and analyzed customer information to support financing decisions.
- Prepared and submitted financing reports with a focus on data accuracy and completeness.

PROJECTS

BareIt
Role: Fullstack Web3 Developer
Tech Stack: Next.js, TypeScript, Solidity, Supabase (PostgreSQL), Privy
- Built an onchain social gaming platform on Base featuring Truth-or-Dare gameplay and wallet-based user authentication.
- Designed PostgreSQL database schemas, migrations, triggers, and access policies for profiles, challenges, XP systems, and leaderboard functionality.
- Developed backend APIs, smart contract integrations, and ERC-721 NFT minting mechanisms for onchain challenge verification.

Alpha Yield
Role: Fullstack & Web3 Developer
Tech Stack: React, Solidity, Hardhat, Ethers.js
- Built an AI-powered DeFi yield aggregation dApp for the VietBUIDL Hackathon.
- Developed smart contracts for automated yield farming, vault management, and strategy execution.
- Built a Web3 dashboard with wallet integration, real-time analytics, and AI controller monitoring, earning a Top 60 Finalist position in the competition.

Droppio Network
Role: Fullstack & Web3 Developer
Tech Stack: Next.js, TypeScript, PostgreSQL, Prisma, Solidity
- Built a Web3 platform designed to support content creators through creator profiles, supporter interactions, and reward systems.
- Designed relational database schemas and backend data structures to support user profiles, creator information, and platform operations.
- Developed Solidity smart contracts for tipping functionality and Soulbound Token (SBT) badge issuance.

FXDragunov Indonesia
Role: Fullstack Developer
Tech Stack: React, TypeScript, Node.js, Express.js, MongoDB, JWT

- Developed a forex trading platform featuring a public landing page for educational content and an admin dashboard for content management.
- Designed MongoDB database collections and implemented CRUD operations for articles, content management, and platform administration.
- Developed secure backend APIs with JWT authentication, file upload handling, and security controls for data protection.

Guess The Number Game
Role: Fullstack Developer
Tech Stack: React, Flask, PostgreSQL, SQLAlchemy, JWT

- Developed a full-stack gaming application featuring user authentication, gameplay tracking, and leaderboard systems.
- Designed and managed relational database structures for users, game sessions, player statistics, and ranking data.
- Developed backend APIs and database migrations to support secure authentication, score management, and profile operations.

Finly App
Role: Mobile Developer
Tech Stack: React Native, AsyncStorage, React Navigation

- Developed a cross-platform personal finance management application using React Native.
- Designed financial tracking workflows including expense management, income recording, analytics, and CSV export functionality.
- Implemented secure local data storage, PIN protection, multi-language support, and receipt scanning features.

EDUCATION

SMK Negeri 3 Kuningan 2015 - 2018
Technical Drawing & Building Design

SKILLS

Fullstack Development
React.js, Next.js, Node.js, Express.js, Laravel, Flask, TypeScript

Web3 Development
Smart Contracts, Solidity, Web3, EVM, Wagmi, DeFI, NFT, Wallet Integration

Database & Backend Systems
PostgreSQL, MySQL, MongoDB, Prisma, SQLAlchemy, Database Design, Database Migration, Query Optimization, REST API

Mobile Development
React Native

AI-Assisted Development
Codex, Cursor, Claude Code, MCP Server, Prompt Engineering, Agents Workflows, Context Engineering

Design & Tools
Figma, Photoshop, Git, Github, Vercel, Supabase, VSCode

LANGUAGES

Indonesia
Native

English
Professional Working Proficiency

ACHIEVEMENTS

Top 60 Finalist 2025
VietBUIDL Hackathon
Selected as a Top 60 Finalist for AlphaYield, an AI-powered DeFi yield aggregation platform built on the U2U Network.

CERTIFICATIONS

Belajar Membuat Aplikasi Web dengan React November 29, 2023
Dicoding

Blockchain Fundamental November 26, 2024
Chainlink