MOHAMMAD FERY SALIM

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Jakarta, Indonesia

SUMMARY PROFILE

Full-Stack Developer with experience building web applications and backend services using Go (Golang), Next.js, React, TypeScript, and PostgreSQL. Contributed to the TAKEIN reservation platform by designing microservices architecture, developing RESTful APIs, implementing authentication and authorization, and managing development containers with Docker Compose. Experienced in managing relational database schemas, writing unit tests with go test, and previously involved in Web3 system development for the TeaLabs platform. Holds an academic background in Accounting Information Systems (D3) from Telkom University, providing a clear understanding of business process workflows and system integration.

WORK EXPERIENCES

PT. Takein Technology Indonesia (Jakarta) *June 2026 – Present*

Full-Stack Developer — Freelance

- Develop and maintain **TAKEIN**, a digital salon reservation platform for customers, providers, staff, and administrators.
- Build backend services using **Go (Golang)** with a microservice-based architecture focused on scalability, modularity, and maintainability.
- Contribute to core business domains including identity, users, providers, branches, service catalogs, staff, availability, and booking management.
- Develop responsive web applications using **Next.js, React, and TypeScript** with reusable components and structured frontend architecture.
- Build and integrate **RESTful APIs** connecting frontend applications with backend microservices.
- Implement authentication, session management, refresh token handling, role-based access control, and secure password hashing using **Argon2id**.
- Work with **PostgreSQL**, Docker, Docker Compose, and DBeaver for database management, containerized development, service orchestration, and debugging.
- Perform testing, debugging, refactoring, and code quality checks using Go testing, go vet, gofmt, and dependency verification.

Technologies:
Go (Golang), Next.js, React, TypeScript, PostgreSQL, Microservices, REST API, Argon2id, Docker, Docker Compose, DBeaver, Git, GitHub.

COE Smart Electronic Vehicle, *August 2025 – August 2026*
Telkom University (Bandung)

Head Blockchain Developer | Full-Stack Web3 Developer — Internship

- Led the end-to-end development of **TeaLabs (tealabs.my.id)**, a Web3-based platform for tea production process traceability.
- Developed TeaLabs in collaboration with **PPTK Gambung, Bandung**, translating real-world tea production processes into digital traceability workflows.
- Developed the frontend using **React**, creating reusable components and interfaces for production records, traceability history, and blockchain verification.

- Developed **smart contracts using Solidity** to record, manage, and verify tea production traceability data on the blockchain.
- Integrated Solidity smart contracts with the React application using **Ethers.js**, including wallet connectivity, transaction signing, contract interaction, and blockchain data retrieval.
- Developed backend functionality and APIs to manage application-level data and connect off-chain records with blockchain transaction references.
- Designed the **UI/UX of TeaLabs**, including user flows, dashboard structure, traceability interfaces, and Web3 interaction workflows.
- Conducted smart contract testing, frontend-backend integration testing, debugging, and technical documentation across the application lifecycle.

Technologies:
React, JavaScript, Solidity, Ethers.js, Web3, Smart Contracts, dApps, REST API, Database Integration, Git, GitHub, Figma, UI/UX Design.

Laboratorium Fakultas Ilmu Terapan, *September 2025 – Februari 2026*
Telkom University (Bandung)
Koordinator Asisten Praktikum Dasar Komputer dan Jaringan — Part Time

- Led the teaching assistant team in overseeing laboratory operations for the Computer and Network Fundamentals course during the Odd Semester 2025/2026, earning a **"Very Satisfactory"** performance rating.
- Coordinated lab schedules, module distribution, and assistant task delegations to ensure seamless laboratory sessions.
- Mentored students on core networking concepts, including TCP/IP, subnetting, IPv4/IPv6 addressing, routing, and network troubleshooting.
- Supervised hands-on practical sessions, network topology design, and hardware/device configuration in the lab.
- Managed the preparation of coursework, weekly assessments, and final grade recapitulations for all participating students.

Technologies & Competencies:
Computer Networking, TCP/IP, Subnetting, IPv4/IPv6, Routing, Network Troubleshooting, Packet Tracer, Leadership, Lab Management.

Laboratorium Fakultas Ilmu Terapan, *September 2025 – Februari 2026*
Telkom University (Bandung)
Asisten Praktikum Pemrograman Web— Part Time

- Facilitated Web Programming laboratory sessions for undergraduate students during the Odd Semester 2025/2026.
- Guided students in building dynamic web applications using PHP, designing interfaces with HTML/CSS, and integrating MySQL databases.
- Mentored students in implementing backend logic, form handling, session management, and PHP-based CRUD operations.
- Assisted students with hands-on code debugging and troubleshooting during lab sessions.
- Reviewed weekly practical programming assignments and evaluated students' final web development projects.

Technologies & Competencies:
PHP, MySQL, HTML5, CSS3, CRUD Operations, Session Handling, Code Debugging, Technical Mentoring.

PORTOFOLIO PROJECT

TeaLabs — Tea Production Traceability Platform

Full-Stack Web3 Developer | Blockchain Developer | UI/UX Designer

Website: tealabs.my.id

- Developed an end-to-end Web3 traceability platform for tea production processes.
- Built frontend interfaces using React and integrated blockchain functionality using Solidity and Ethers.js.
- Connected on-chain blockchain records with off-chain production data.
- Designed user flows and UI/UX for production tracking, verification, and blockchain interaction.

Technologies:

React, JavaScript, Solidity, Ethers.js, Web3, Smart Contracts, dApps, REST API, Database Integration, Git, GitHub, Figma.

GeneralJournal-Dapps

Full-Stack Web3 Developer | UI/UX Designer

- Developed a Web3-based accounting application for recording general journal transactions.
- Built frontend interfaces using React and TypeScript and backend APIs using Node.js and Express.js.
- Designed relational database structures using PostgreSQL and Prisma.
- Implemented wallet integration, blockchain transaction tracking, debit-credit validation, financial reporting, and PDF journal export.

Technologies:

React, TypeScript, Tailwind CSS, Node.js, Express.js, PostgreSQL, Prisma, Ethers.js, wagmi, viem, Web3.

Sertify Blockchain

Full-Stack Web3 Developer | UI/UX Designer

- Developed a blockchain-based file certification system using **Solidity**.
- Implemented file-hash verification and certification metadata recording.
- Developed smart contract events and deployment workflows using **Truffle**.

Technologies:

Solidity, JavaScript, Truffle, Smart Contracts, Blockchain.

Cyclone Wallet — Crypto Web3 and NFT

UI/UX Designer | Project Team Lead

- Led an academic UI/UX project focused on cryptocurrency, Web3, and NFT wallet experiences.
- Designed interfaces for crypto asset management, NFT collections, swaps, Web3 browser interaction, and wallet settings.
- Created user flows, information architecture, wireframes, prototypes, and interaction design.
- Contributed to a UI/UX design later used as a reference for digital wallet development at PT. Baraya Telematika Nusantara.

Technologies:

Figma, UI/UX Design, Interaction Design, Information Architecture, User Flow Design, Wireframing, Prototyping, Web3, NFT, Cryptocurrency.

KEY SKILLS

Backend Development

Go (Golang), Node.js, Express.js, PHP, Laravel, REST API Development, Microservices, Authentication, Authorization, Backend Architecture

Frontend Development

Next.js, React, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, Bootstrap, Responsive Web Development, Component-Based Development

Blockchain & Web3

Solidity, Smart Contract Development, Smart Contract Testing, Decentralized Applications (dApps), **Ethers.js**, Wallet Integration, Web3 Integration, Blockchain Transaction Handling, On-Chain & Off-Chain Integration, wagmi, viem, Truffle

Databases

PostgreSQL, MySQL, Prisma, Relational Database Design, Data Modeling, Database Transactions

Tools & Development Environment

Docker, Docker Compose, DBeaver, Git, GitHub, Visual Studio Code, Figma

Software Architecture

Microservices Architecture, RESTful APIs, Service-Oriented Architecture, Application Layering, API Integration, Data Flow Design

Testing & Code Quality

Go Testing, Integration Testing, Debugging, Code Refactoring, go vet, gofmt, Dependency Verification

UI/UX Design

Figma, UI Design, UX Design, Interaction Design, User Flow Design, Information Architecture, Responsive Design, Prototyping

Professional Skills

Problem-Solving, Team Collaboration, Technical Leadership, Communication, Adaptability, Continuous Learning

EDUCATION

Diploma III (D3) in Digital Accounting — *August 2023 – August 2026*
Telkom University | Bandung, Indonesia

CERTIFICATIONS & AWARDS

Foundations of Software Testing and Validation — University of Leeds (FutureLearn) 2026
AWS Security Fundamentals — Amazon Web Services 2026
Amazon Quantum Ledger Database (QLDB) Service Primer — Amazon Web Services 2026
Build on BNB Chain (Smart Contract & dApp Development) — Rise In 2026
Build on BNB Chain (Solidity for BNB Chain Development) — Rise In 2026
Build on BNB Chain (BNB Chain Fundamentals) — Rise In 2026
Digital Skills: Artificial Intelligence — Accenture (FutureLearn) 2026
Digital Skills: Web Analytics — Accenture (FutureLearn) 2026
SAP01 – SAP Overview — PT. Harfan Tri Megah (EDUGATE) 2025
Cyclone Wallet - Crypto Web3 and NFT (IP/Copyright No. 000613170) 2024
Google IT Support Specialization — Coursera 2024
Digital Skills: User Experience — Accenture 2024
Digital Marketing — Accenture 2024
Zahir Accounting Certification — Zahir 2023

IT Security: Defense Against the Digital Dark Arts — Google 2023
System Administration and IT Infrastructure Services — Google 2023
Operating Systems and You: Becoming a Power User — Google 2023
Technical Support Fundamentals — Google 2023
The Bits and Bytes of Computer Networking — Google 2023

LANGUAGE

Indonesia (*Native)*, **English** *(Intermediate; able to understand spoken and written English, with limited speaking fluency)*.