

SHAFIRA PUTRI ANANDA

Fullstack Software Engineer

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PROFESSIONAL SUMMARY

Fullstack software engineer with 2+ years delivering production web, mobile, and backend systems for enterprise clients across Asia and Europe, specialising in Web3 wallet and digital identity systems from proof of concept through to production. Works across the full delivery cycle in distributed, cross-cultural teams, translating unclear requirements into architecture and implementation plans, building and testing the solution, then documenting it.

TECHNICAL SKILLS

Languages TypeScript, JavaScript, PHP, SQL

Frameworks & Libraries React, Next.js, React Native, NestJS, Node.js, Laravel, Symfony

Styling & Testing TailwindCSS, shadcn/ui, Jest, Playwright

Databases & ORM PostgreSQL, MySQL, Prisma

Cloud & DevOps AWS (EC2, ECS, ECR), Supabase, Docker, GitHub Actions

APIs RESTful API design & integration, SDK design, Swagger documentation

Web3, Identity & Security Blockchain services (Alchemy, Thirdweb, CoinMarketCap), digital identity wallets (VC/VP, walt.id), MPC key management, JWT authentication

Tools Git, Jira, Postman, Figma, Claude Code, GitHub Copilot

Familiar with Python, Google Cloud Platform

Languages Indonesian (native), English (professional working proficiency)

WORK EXPERIENCE

GAOGAO — Software Engineer

April 2024 – August 2025 (Remote Contractor, Indonesia) · September 2025 – Present (On-site, Hyogo, Japan)

A Singapore-headquartered startup studio operating across Southeast Asia and Japan, specialising in 0-to-1 MVP development and DX for clients worldwide.

WaaS Reboot Jan 2026 – Present · Client: NTT Digital Global (Japan)

Fullstack — React web app, REST API, SDK architecture, Docker

Extracting the functionality and APIs of a proof-of-concept wallet application into a distributable Wallet-as-a-Service (WaaS) SDK.

- **Own the extraction plan and packaging proposal**, evaluating SDK options against per-feature scope, developer usability, public consumption, and security.
- Raise unit and end-to-end test coverage on functions and APIs **before extraction**, protecting existing behaviour through the migration.
- Implement the extraction, splitting wallet functionality into **7 independently consumable packages** built around a single core package.
- Write the developer documentation and build a sample consumer app demonstrating integration of each package.
- Modernise the codebase in flight by resolving defects, reworking API configuration, and replacing outdated libraries with current equivalents.

Hybrid Cloud Wallet — PoC Jan 2026 – Apr 2026 · Clients: NTT Digital Global (Japan), Accenture (Europe)

Fullstack — MPC integration, backend API, Docker

Securing digital wallet accounts with Multi-Party Computation (MPC) key management.

- Diagnosed and fixed the core defect blocking wallet recovery and signing in the verifiable credential issuance flow, **one day before the client's PoC demonstration**.
- **Designed MPC usage** for wallet generation, recovery, and transaction signing after prototyping MPC architecture on a Web3 wallet. Deliverables: sequence diagrams, development plan.
- Integrated third-party MPC libraries (Rust, Kotlin, WebAssembly components) into the wallet backend from client documentation.
- Built the wallet account recovery flow.

Scramberry Wallet — PoC Apr 2025 – Dec 2025 · Client: NTT Digital (Japan)

Fullstack — React Native, digital identity wallet (walt.id), Blockchain services

A Web3 digital wallet showcased at NTT Docomo's internal R&D forum, covering token and NFT asset management and transactions, verifiable credential (VC) management, and account management.

- **Owned end-to-end development** of verifiable credential (VC) management on the walt.id SDK, shipping **3 flows** (issuance, storage, presentation) and driving delivery through implementation docs, Jira tickets, developer assignment, and code review.
- Evaluated and integrated blockchain services (Alchemy, Thirdweb, CoinMarketCap) into the mobile app.
- Migrated backend-held logic to a frontend-oriented architecture, weighing usability, feasibility, and runtime performance.
- Built estimateGasFee, giving users slow/normal/fast transaction options priced live via blockchain service APIs.

Fitness Journey Jan 2025 – Mar 2025 · Clients: NTT Docomo (Singapore), GAOGAO Fitness App

Backend — NestJS, Alchemy, Thirdweb

Introduced Web3 to an existing active user base through NFT achievement rewards, built on Scramberry Wallet SDK services.

- Built APIs for NFT asset management and reward claiming (on-demand minting) on a live fitness product, driving **400+ engagements in the first week** across **1,000+ active users**.
- Researched smart contract and token asset development on Thirdweb and Alchemy to select the approach.
- Assessed real-world Web3 adoption to inform the roadmap for future NFT and token features.
- Documented all new endpoints in Swagger.

Ancar May 2024 – Dec 2024 · Client: Ancar (Japan)

Fullstack — Laravel, Symfony, Docker

A secondhand car marketplace in Japan; built the “Omakase” concierge-style flow to simplify buying and selling.

- Rebuilt admin pages (form handling, data display, filtering) so staff could process Omakase requests and orders.
- Implemented on-page SEO improvements and set up Google Analytics tracking for organic search performance.
- **Owned feature releases** through dev → staging → production, verifying each stage before promotion.
- Diagnosed and resolved production defects.

EXA — English Training Platform Apr 2024 · Internal GAOGAO project

Product research

- Benchmarked RAG approaches for an AI English-training chatbot across Google, Amazon, Azure, and open LLM libraries; recommended Gemini on Vertex AI with Azure Speech-to-Text.

Yayasan Beri Perubahan — Graphic Designer

April 2021 – January 2024 · Canva, Figma

- Designed 50+ Instagram posts averaging 500+ impressions, and managed the content calendar.

PT. Telkom Indonesia — Web Developer Intern

June 2019 – August 2019 · Laravel

- Built an application to evaluate technician field performance using customer survey responses.

PROFESSIONAL TRAINING

Backend Engineering September 2023 – December 2023 · Express.js, Prisma, Swagger · [Certificate](#)

- Learned and built REST APIs from scratch with Node.js and database integration; documented them with Swagger.

Women in IT: Python & Cybersecurity July 2023 · Python, Django · [Certificate](#)

- Rebuilt and extended a web marketplace with new features in a mini project, **placing in the top 5** of the cohort's final presentations.

EDUCATION

Universitas Gadjah Mada, Yogyakarta

- Bachelor of Applied Software Engineering (S.Tr.Kom), 2023, GPA **3.87** / 4.00
- Associate Degree in Computer and System Information (A.Md.Kom), 2020, GPA **3.62** / 4.00