Zaidan Ikram

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Jakarta, Indonesia



Full Stack Engineer

Computer Science student at BINUS University available **full-time for 12 months in 2027 through the BINUS Enrichment Program**. Paid client and contract work since 2022. I own features **from the schema to the screen**: architecture, data model, backend, web and Android. Rewrote a UTBK exam platform (PassingLab) so an answer cannot be lost, and as **product and tech lead on a 15-person university project** turned 27 conflicting planning docs into one spec. Primary stack: **TypeScript, React, Next.js, NestJS, and PostgreSQL**.

Technical Skills

Languages	:	TypeScript, JavaScript, Kotlin, Rust, Solidity, PHP, SQL, HTML, CSS
Frontend	:	React, Next.js, Vite, Tailwind CSS, Zustand, Three.js
Mobile, Desktop	:	Kotlin, Jetpack Compose, Media3, ExoPlayer, React Native (Expo), Tauri 2, Win32 API
Backend	:	Node.js, NestJS, Laravel, Server Actions, Prisma, Drizzle ORM, REST APIs
Databases	:	PostgreSQL, Supabase, Firebase, Firestore, Room
Blockchain	:	Solidity, Hardhat, OpenZeppelin, ethers v6, EIP-712, IPFS, Ethereum Sepolia
Practices, Tools	:	System design, auth and RLS, offline-first sync, payments, code review; Git, Jira, Vercel, Turborepo, Vitest
Certifications	:	HackerRank: SQL (Advanced), Software Engineer, React; Anthropic: Claude Code, MCP

Experience

Full Stack Engineer — Jul 2026 – Sep 2026
Creativin (Contract) — creativin.id — *Hybrid — Indonesia*

- Built features for a **KOL marketplace** with **TypeScript, React, and Node.js**: creator search filtered by niche, platform, city, followers and engagement rate, and creator profiles with stats synced from Instagram
- Worked on the **campaign flow from invite to invoice**: invitations and applications, draft review with revisions, and invoices with PDF and CSV export, plus **architecture and data modelling** decisions with the team

Full Stack Software Engineer — Dec 2022 – Present
Self Employed (Freelance) — *Remote — Jakarta, Indonesia*

- Built a **Laravel inventory system**, catalogue landing pages, and company sites for small businesses, schema to deployment
- Now building **PassingLab**, a UTBK tryout platform, in a team of two (see Projects)

IT Support Specialist — Sep 2024 – Sep 2025
Alchemist Law Office (Part-time) — *On-site — Jakarta, Indonesia*

- Provided **technical support** for staff hardware, software, and network issues so legal work kept running
- Maintained internal systems and **Microsoft Excel** based workflows used across the office

Web Designer — Dec 2022 – Mar 2023
UTERO INDONESIA (Internship) — *On-site — Malang, East Java, Indonesia*

- Designed and built **responsive web pages**, translating brand and layout requirements into working interfaces

Education

BINUS University — Jakarta, Indonesia
Bachelor of Computer Science — *Aug 2024 – Sep 2028 (expected)*

SMK Telekomunikasi Darul Ulum — Jombang, East Java, Indonesia
Software Engineering (Rekayasa Perangkat Lunak) — *Aug 2021 – Jun 2024*

Projects

FundChain — Product & Tech Lead, university project 2026
NestJS, React, Supabase, Prisma, Solidity, Hardhat — BINUS team of 15 *fundchain-web.vercel.app*

- **Led a team of 15** across four workstreams on a fundraising platform where every donation marked paid is hashed onto Ethereum Sepolia (testnet); split **99 Jira tasks** over five epics and six sprints
- Resolved **19 conflicts across 27 planning docs** before any code; built the NestJS, React, Hardhat and Supabase monorepo myself, live by day two; **reviewed and merged the team's pull requests**

PassingLab — UTBK tryout platform (freelance, pre-launch) Mar 2026 – Present
Next.js 16, React 19, TypeScript, Supabase Postgres, Drizzle ORM, Tailwind v4 *passinglab.id*

- **Full stack engineer in a team of two** on a full rewrite of a Laravel product onto **Next.js 16, React 19 Server Actions, and Drizzle**, with a MySQL migration script that runs dry first, and a bank of 1,604 questions across 7 UTBK subtests
- Built the exam engine so **an answer cannot be lost**: idempotent autosave upserts that keep working while the tab is hidden, a **server computed timer** that never trusts the browser clock, and deterministic seed based shuffling so a reload restores the exact same question order
- Closed an **account takeover path** inherited from the old app: single use OTPs scoped by purpose and capped at five attempts, bcrypt, **database backed rate limiting**, and one layout guard replacing an admin check copied into some 40 methods (one missing it)
- Made **QRIS payments** safe to repeat: the public webhook is treated only as a nudge to re verify with the provider against the amount we stored, and entitlements are granted by one function shared with the admin button

HakaiKOL — influencer marketplace (personal project) 2026 – Present
React, Vite, NestJS, Prisma, PostgreSQL, Supabase, Tailwind *hakaikol.vercel.app*

- **Sole developer** (my own project, unrelated to my Creativin contract) of a two sided KOL marketplace where brands pick creators by numbers they can check, running a campaign end to end in one record: creator discovery, brief, content drafts, proof of posting, invoice, and a printable performance report
- Hardened the data layer: the public Supabase key shipped in every browser bundle holds **only auth and storage rights and zero table access**, with all data going through NestJS as a BYPASSRLS role and **RLS still enabled on every table** as a second layer

HakaiTask — Indonesian chat task manager, no AI Aug 2026
React, Vite, TypeScript, Zustand, Supabase, Tailwind v4, Turborepo *hakaitask.my.id*

- **Full stack engineer in a team of two** on a task manager you talk to in Indonesian: a readable dictionary turns one sentence like *"lusa jam 3an"* into a dated task, and it **asks instead of guessing** when a sentence is unclear
- Kept the chat engine in **pure TypeScript with no React or network**, tested on its own, plus a personal dictionary that remembers words a user teaches it once

Shiki — voice assistant for Windows Oct 2026
Rust, Tauri 2, Gemini API, Win32 API, WebView2 *Source*

- **Sole designer and developer** of a tray app you talk to in everyday Indonesian: hold **Ctrl+Win** and messy speech comes back as clean text pasted where the cursor is, or hold Ctrl+Shift to open apps, play music, and set routines like *"tiap pagi jam 9 buka Unity dan Spotify"*

Pokerizz — multiplayer poker duel Oct 2026
Next.js 16, React 19, TypeScript, Supabase Realtime, Supabase Auth, Vitest *pokerizz.vercel.app*

- **Sole designer and developer** of a two player card game, online, ranked, or against a bot; the host runs each room on **Supabase Realtime** so a guest **never receives the other hand**, and the game is a **pure reducer covered by 50 unit tests**

HakaiMusic — native Android music client 2026 – Present
Kotlin, Jetpack Compose, Media3, ExoPlayer, Room, WorkManager, Firestore *Source*

- **Dual engine player** behind one media session (ExoPlayer, then a headless WebView engine), so lock screen and Bluetooth controls survive the swap; **offline first** with Room, and sync that produces no duplicates on retry

Other projects 2026

- **KaiCash** (React Native, Firebase): Android money tracker with parent pairing — source
- **Collatera** (hackathon, team of five): on-chain promissory notes with gasless EIP-712 signing, on Sepolia testnet
- **Freelance Escrow** (BINUS course, team of five): milestone escrow with no client withdraw path and IPFS proof of work