

# TINARA NATHANIA

Full Stack Developer

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## SUMMARY

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Full stack developer building AI-powered web applications, currently CTO and founding engineer at productised.ai. I work with modern web stacks and large language models, and I am comfortable owning features end to end, from architecture to UX. Strong in React, Next.js, Remix, TypeScript, and production LLM integration across OpenAI, Claude, and OpenRouter.

## EXPERIENCE

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**productised.ai** Present

*CTO & Founding Engineer · Remote*

- Lead engineering for a production AI web platform as CTO and founding engineer, built on Remix, a Supabase Postgres backend, and multiple LLM providers behind a clean provider abstraction layer.
- Own features end to end in Remix, covering routing, data loading, mutations, streaming responses, and UI state, from early concepts through to production deploys.
- Built the node-based canvas with React Flow for composing and inspecting AI workflows.
- Integrate production LLMs across OpenAI, Claude, and OpenRouter with prompt design, tool and function calling, structured outputs, and RAG where it improves results.
- Own Postgres schema design, migrations, authentication, storage, and row-level security on Supabase, plus deployment and infrastructure on Fly.io.

**Apple Catalyst Program** Mar – Aug 2023

*Hexcape Game Illustrator · Tangerang*

- Led visual direction across three iterative design cycles, refining illustration and storytelling from direct user feedback.
- Designed a tutorial narrative that improved first-session engagement, and launched the game across four social platforms and a Kickstarter campaign.

**Apple Developer Academy** Feb – Dec 2022

*iOS Developer & Illustrator · Surabaya*

- Shipped three apps to the App Store: Fergie, Vixel, and Hexcape Game.
- Worked as both developer and illustrator in a cross-functional team of five, owning product engineering and visual identity across all three projects.

**Mangga Petrokimia Gresik** Oct 2021 – Feb 2022

*Front-End Developer · Remote*

- Built the mobile front-end with Flutter and Dart, working with two backend engineers to deliver web and mobile end to end.
- Designed the supporting product flows in Figma before development.

**Fusions Visual** May – Jul 2021

*Front-End Developer · Remote*

- Built an admin platform with Vue.js and MongoDB for a care network supporting autistic individuals, their guardians, volunteers, and support agencies.

**Ciputra University** Jan 2021 – Jan 2023

*Lecturer & Research Assistant · Surabaya*

- Taught Algorithm and Programming, Programming Technique, and Web Programming, guiding more than 60 students per subject through Java, Android, and full-stack web projects.
- Prepared lab environments, authored course materials, and documented research projects.

## EDUCATION

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### Ciputra University

Sep 2019 – Oct 2023

*Bachelor of Information Technology, Informatics · GPA 3.95 / 4.0*

### Bina Bangsa International School

Jul 2013 – Jul 2018

*Cambridge AS & A Levels · Malang*

## SKILLS

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**Full Stack:** React, Next.js, Remix, TypeScript, Node.js, Prisma, Supabase, PostgreSQL, Tailwind CSS, shadcn/ui, React Flow, Fly.io, REST APIs

**Applied AI:** OpenAI, Claude, OpenRouter, RAG systems, AI workflows and agents, tool and function calling, structured outputs, MCP, LLM evaluations

**Also experienced with:** JavaScript, HTML and CSS, Vue.js, Laravel, MySQL, Firebase, Python, Langchain, Pinecone, Swift, Dart, Flutter, Java

**Design (complementary):** Figma, design systems, prototyping, Adobe Illustrator, Adobe Photoshop

## ADDITIONAL

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**Languages:** Fluent in English and Indonesian; conversational Chinese

**Certifications:** Programmer Certificate of Competence (BNSP); C1 CEFR English (Dynamic Placement Test)

**Awards:** 1st Place idenTIK 2023 Web/Mobile Application (Hexcape Game); 2nd Place Asian Team Innovation Challenge, NUS (Kartu Tahu); 1st Place InaRisk Creative Week UI/UX Design, BNPB (inaRISK); 1st Place LO Kreatif Web/Mobile Application (Kartu Tahu); 3rd Place idenTIK 2023 Web/Mobile Application (Kartu Tahu); 3rd Place LO Kreatif UI/UX Design (DermLab); Best Academic, Informatics 2019–2020