



# Gading Nasution


 account@gading.dev

 (+62) 89665813871

 Palembang, Indonesia

 gading.dev

 linkedin.com/in/gadingnst/

 github.com/gadingnst

## PROFILE

**Software Engineer** with **6+ years** of experience in architecting scalable modern applications, with a specialized focus on **Agentic AI** and **autonomous systems**. Expert in **Full-stack engineering**, leveraging the **TypeScript ecosystem** and **Python** to build complex, high-performance environments. Proven track record in delivering high-impact solutions, ranging from **Web3** infrastructure to advanced **Generative AI & RAG** solutions integrated with LLMs and sophisticated AI services.

On the other hand, I bring extensive hands-on experience in **Infrastructure & DevOps**, specializing in **Proxmox virtualization (LXC/VM)**, **Docker**, and **automated deployment pipelines**. This dual expertise allows me to bridge the gap between clean, modular code and robust system infrastructure, ensuring that AI-driven applications are not only intelligent but also highly resilient and scalable.

A strategic engineer focused on delivering measurable business impact, notably achieving revenue growth and client acquisition through AI-driven platforms. I am deeply passionate about Developer Experience (DX), clean architecture, and leveraging autonomous AI agents to build the next generation of fast, intuitive, and enterprise-grade products.

- **Contact Email:** contact@gading.dev
- **Live CV:** <https://gading.dev/resume>

## EXPERIENCE

### Software Engineer


HeyPico.ai | Singapore

**Tech Stack**


- Languages & Ecosystem: TypeScript (Node.js, Bun), Python, Bash Scripting.
- Frameworks: React.js, Next.js, React Native, NestJS, Flask.
- Agentic AI & LLMs: Agentic AI Systems, GraphRAG (Neo4j, Graphiti), RAG, MCP (Model Context Protocol), OpenAI/AWS Bedrock SDKs.
- Automation & Ops: N8N, Workflow Automation, Termux.
- Databases: PostgreSQL, Neo4j, Redis.

**Key Contributions & Achievements:**

- **Agentic AI & Advanced RAG:** Engineered a sophisticated GraphRAG system using Neo4j and Graphiti, enabling AI agents to traverse complex data relationships for higher-accuracy and efficient retrieval. Developed specialized Session & Long-Term Memory modules to maintain persistent context and user personalization across AI-driven workflows.
- **Infrastructure-to-Cloud Automation:** Resolved critical connectivity issues between cloud services and companion devices by architecting a more stable remote control layer. Developed a custom Termux-based firmware package for single-installation setup, allowing seamless cloud-to-device orchestration with minimal manual effort.
- **AI Orchestration & Backend:** Built robust Backend APIs and tools to empower AI Agents in managing multi-step automation, MCP (Model Context Protocol) integrations, and companion device interactions.
- **Autonomous Maintenance Agents:** Developed an AI Agent for autonomous device management, capable of checking, downloading, and updating applications on companion devices to ensure 24/7 reliability without human intervention.
- **Automation Tools:** Created AI-powered agents for automated financial reporting (Google Docs/Sheets integration) and a food ordering assistant that automates repetitive transactional flows.
- **Visual Intelligence Integration:** Integrated OCR systems to extract structured data from visual inputs (e.g., receipts), transforming raw images into actionable database entries for further analytics.
- **Utility Standardization:** Built a library of reusable AI and automation modules, enabling the team to accelerate development cycles and standardize AI-powered workflows across the organization.
- **Full-Cycle Mobile Deployment:** Spearheaded the MVP launch across Web, Android, and iOS, including the complete management of iOS publishing workflows (Certificates, Provisioning, TestFlight, and App Store Review).

 Aug 2025 - Present

## Fullstack AI Engineer


 Jul 2025 - Sep 2025

Jet (jetstudios.io) | Vancouver, Canada

**Tech Stack:** TypeScript, Node.js, React.js, Artificial Intelligence, LLM, RAG, GitHub Actions, PostHog, Bash Script.

- Supported the development of a new product from scratch and successfully delivered the MVP within ~1 month, ensuring fast iteration and alignment with business goals.
- Built a Browser Extension capable of capturing browser screens, analyzing cryptocurrency charts, and extracting sentiment insights from relevant news sources.
- Integrated Stripe to enable secure and seamless payment processing across the application.
- Implemented PostHog analytics to track user behavior, product metrics, and feature adoption, contributing to data-driven decision-making.
- Created internal automation workflows using CI/CD and GitHub Actions to streamline deployment processes and improve delivery efficiency.

## Software Engineer


 Jun 2023 - Aug 2025

Avataralabs (avataralabs.ai) | Jakarta, Indonesia

**Tech Stack:** TypeScript, Node.js, React.js, Next.js, Artificial Intelligence, LLM, RAG, TTS, Video Generation, AI Content Platform, GitHub Actions, Sentry.

- Developed an AI Researcher Dashboard to manage AI personalization using RAG, applied across multiple client use cases such as AI Livestream, AI Embedded Webchat, AI Creator, etc., contributing to 3× revenue growth and 5× client acquisition.
- Built an AI Live Dashboard to configure, initiate, and manage AI Live sessions, streamlining operations for the AI Live Ops team in managing ongoing sessions.
- Led frontend development across 4 AI-driven products, including an AGI content platform featuring TTS, STT, video generation, and AI-embedded webchat. Delivered responsive, user-friendly interfaces and seamless user experiences through optimized frontend architectures, real-time data handling, and integration with generative AI systems.
- Collaborated with clients to implement AI Chat solutions embedded into their websites, enhancing customer engagement and automation.
- Created AI-assisted onboarding tools for creators and a content generation dashboard, contributing to the acquisition of 100+ creators.
- Implemented internal automation in GitHub Actions to optimize Vercel team member usage, significantly reducing operational costs.
- Integrated Sentry logging to monitor and track frontend errors in production, enabling faster issue detection and resolution.
- Mentored and onboarded new frontend engineers, helping them quickly adapt to the development environment and enabling their contributions to the implementation of the Retrieval Dashboard and other key product features.

## Software Engineer


 May 2024 - Nov 2024

Stealth (Dining Rewards Platform) | San Francisco, United States

**Tech Stack:** TypeScript, Next.js, Golang, Protocol Buffers, gRPC, Flutter.

- Developed a web console using TypeScript and Next.js to provide clients with an intuitive interface for managing their product features and data.
- Built a mobile application using Flutter, ensuring cross-platform compatibility and smooth user experience.
- Implemented backend and API services using Golang, gRPC, and Protocol Buffers for high-performance, scalable communication between services.
- Collaborated closely with the client to launch their MVP product and deliver a live product demo within 2 months, accelerating time-to-market and supporting early client acquisition.

## Frontend Engineer


 Sep 2023 - Apr 2024

Skilldeck (skilldeck.io) | San Francisco, United States

**Tech Stack:** TypeScript, Next.js, React.js, Tailwind CSS

- Migrated and implemented multiple new features using TypeScript, Next.js, and Tailwind CSS, enhancing platform stability and scalability.
- Built reusable UI components with Storybook.js, enabling faster feature development and consistent design across the freelancer portfolio platform.
- Fixed critical bugs and improved product quality, resulting in smoother user experiences for freelancers.
- Enhanced portfolio presentation capabilities by supporting various content formats, including external links, images, and other media, allowing freelancers to showcase their work more effectively to potential employers and clients.
- Developed an interactive, draggable UI feature that empowers freelancers to fully customize the layout and presentation of their work within their profile, improving personalization and client engagement.

## Software Engineer


 Sep 2022 - Jun 2023

TwoPointFive (2p5.io) | Jakarta, Indonesia

**Tech Stack:** TypeScript, Node.js, React.js, Next.js, Web3.js, Ethers.js, Web3 Provider, Solidity (Smart Contracts)

- Developed and maintained custodial and semi-custodial Web3 wallet solutions, enabling secure and seamless blockchain transactions for clients, contributing to increased client trust and platform adoption.
- Engineered a Web3 Provider and Web3 SDK to streamline wallet integration with smart contract functions, reducing development overhead for partner teams and accelerating project delivery.
- Designed and implemented NFT landing pages and dashboards integrated with the developer Web3 wallet and Web3 provider, enhancing the user experience and supporting NFT-related business growth.
- Collaborated with backend engineers to deliver a fully integrated NFT dashboard and landing experience, ensuring data consistency and smooth API interactions.
- Worked closely with UI/UX teams to develop a robust, intuitive interface for the wallet, NFT dashboard, and NFT landing, improving usability and enabling the operations team to manage and scale client onboarding more efficiently.

## Software Engineer (Orami)


 Jan 2022 - Nov 2022

Sirclo (sirclo.com) | Tangerang, Indonesia

**Tech Stack:** JavaScript, TypeScript, Node.js, React, React Native, Next.js, Jest/React Testing Library, Storybook, Tailwind CSS

- Served as a Core Frontend Engineer in the Orami Core Team, contributing to the development, maintenance, and technical evolution of Orami's frontend ecosystem.
- Collaborated with UI/UX designers and engineers to build and maintain a robust design system and component library, ensuring consistent visual language and seamless integration across Orami's web and mobile platforms.
- Created comprehensive guidelines and documentation for design system and component library usage, improving team adoption and development efficiency.
- Led UI standardization by developing reusable components using Storybook and Tailwind CSS, improving scalability, maintainability, and cross-team collaboration.
- Initiated and drove the migration from JavaScript to TypeScript, introducing new coding standards that improved code quality, maintainability, and developer experience (DX).
- Conducted maintenance and R&D on frontend codebases, exploring new concepts, optimizing performance, and enhancing code scalability.
- Partnered with the product team to solve complex tasks and address technical challenges outside the scope of end-to-end Orami service features.

## Associate Frontend Engineer, Core


 Dec 2020 - Jan 2022

Orami (orami.co.id) | Tangerang, Indonesia

**Tech Stack:** JavaScript, TypeScript, Node.js, React, Next.js

- Acted as the right-hand to the Lead Frontend Engineer, assisting in R&D initiatives, architectural decisions, and technical evaluations to improve the frontend ecosystem.
- Collaborated with UI/UX designers and core backend engineers to develop and maintain Passport authentication services for the Orami Super App.
- Created and conducted R&D on frontend utilities to support multiple squads in developing and enhancing application services.
- Contributed to frontend architecture improvements by implementing scalable coding practices and reusable components.
- Partnered with cross-functional teams to ensure seamless integration between frontend features and backend services.

## Junior Frontend Engineer, B2b2c

 Nov 2019 - Nov 2020

Orami (orami.co.id) | Tangerang, Indonesia

**Tech Stacks:** JavaScript, JQuery, React, Next, PHP, Magento.

- Served as the right-hand to the Senior Frontend Engineer, contributing to key features and technical enhancements in multiple projects.
- Developed an online store web application specializing in kids' clothing and accessories.
- Built and maintained a social commerce platform to enable group buying campaigns.
- Developed and maintained the Express Mart project, helping parents find nearby shops.
- Improved the Seller Dashboard, enabling sellers to better manage and promote their products.
- Collaborated with designers and backend developers to deliver user-friendly and high-performance features.

EDUCATION

Fullstack JavaScript Trainee

Fazztrack | Bogor, Indonesia

Fullstack JavaScript Trainee from Fazztrack

2020

Associate Degree, Computer Engineering

Politeknik Negeri Sriwijaya | Palembang, Indonesia

Associate Degree from Politeknik Negeri Sriwijaya

2019

SKILLS

React Native

Next.js

Nest.js

Go (Golang)

Javascript

Node.js

Python

ReactJS

SQL

Typescript

LANGUAGES

English

Working Knowledge