

# Gading Nasution

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## 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

 Aug 2025 - Present

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, Graphitti), 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 Graphitti, 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).

## 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 3x revenue growth and 5x 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

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### Fullstack JavaScript Trainee

Fazztrack | Bogor, Indonesia

*Fullstack JavaScript Trainee from Fazztrack*

 2020

### Associate Degree, Computer Engineering

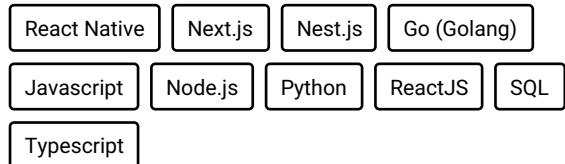
Politeknik Negeri Sriwijaya | Palembang, Indonesia

*Associate Degree from Politeknik Negeri Sriwijaya*

 2019

## SKILLS

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## LANGUAGES

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### English

Working Knowledge

