

Alex Jin

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SUMMARY

Father and experienced Full-Stack Engineer with 10+ years of experience designing and delivering scalable, high-performance web platforms across **healthcare**, **digital publishing**, **IoT**, **e-commerce**, and **travel-tech** industries. Skilled in architecting **microservice-based** and **modular monolith** systems using **Node.js**, **Nest.js**, **Spring Boot**, **Python**, and **AWS / GCP** cloud infrastructure. Adept at building rich, performant frontend apps with **React**, **Next.js**, and TypeScript, and integrating AI-powered features using **LangChain** and **OpenAI API**. Proven track record of contributing to **\$4M+ revenue growth** through performance optimization, conversion improvements, and user-centric product development. Passionate about contributing to open source, creating maintainable codebases, mentoring teams, and shaping robust product architectures that bridge elegant UX with reliable backend engineering.

TECHNICAL SKILLS

- **PROGRAMMING LANGUAGES:** JavaScript, TypeScript, Python, Java, Ruby
- **FRAMEWORKS & LIBRARIES:** React, Next.js, Angular, React Native, NestJS, Express, Spring Boot, Ruby On Rails, GraphQL, Slate.js, Redux, Zustand, Jotai, Tailwind CSS
- **CLOUD & CONTAINERS:** AWS, GCP, Vercel, Heroku, Docker, Hasura
- **DATABASES & MESSAGING:** PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Elasticsearch, Amazon SNS, SQS, Google Pub/Sub, Cloud Tasks, Upstash, Tinybird
- **TEST & CI/CD:** Jest, Cypress, Playwright, Mocha, TDD, Unit & e2e Testing, GitHub Actions
- **ANALYTICS & MONITORING:** Sentry, Datadog, CloudWatch, Grafana, Prometheus
- **AI/ML:** LLM integration (OpenAI, Anthropic), LangChain, RAG pipelines, vector search, Claude Code, Cursor, Codex

PROFESSIONAL EXPERIENCE

Frontend Engineer

Examine.com Inc

Dec 2024 – Present

- Built and maintained user-facing features for a high-traffic nutrition and supplement research platform serving millions of users
- Improved Core Web Vitals (CLS, LCP, INP) across content-heavy pages including supplement and condition pages
- Collaborated with marketing and sales teams to implement A/B tests, landing pages, and conversion-focused campaigns for Examine+ membership growth
- Optimized performance for membership and subscription flows supporting Examine+, Clinician Edition, and ExamineAI products

- Instrumented and maintained frontend analytics using GA4 to support data-driven decision making across teams

Full Stack Engineer

Publi LLC

Aug 2022 – Nov 2024

- Designed and implemented microservice-based publishing architecture using Nest.js on Google Cloud Run, integrating TypeORM, PostgreSQL, and Upstash Redis/QStash for scalable content delivery and background job orchestration
- Built an AI-powered editorial experience with Python, LangChain and OpenAI API, enabling auto-summarization, SEO tag generation, and writing assistance within the editor
- Developed a Slate.js-based WYSIWYG content editor in Next.js/React/TypeScript, supporting drag-and-drop blocks, embedded media, and collaborative editing with real-time state persistence
- Engineered NextAuth-based authentication with multi-tenant access control, supporting team workspaces, domain-restricted publications, and OAuth providers
- Leveraged Upstash QStash and Google Cloud Tasks for distributed task scheduling, ensuring reliable delivery of async jobs like AI processing, content indexing, and webhook notifications
- Deployed and optimized the platform on Vercel and Google Cloud Run, achieving high performance and zero-downtime CI/CD using environment-aware build pipelines
- Established component-driven UI architecture with Tailwind CSS and design tokens for branded, responsive, and accessible digital publications used by multiple editorial teams

Full Stack Engineer

GonnaOrder B.V.

Jun 2020 – Aug 2022

- Architected a modular monolith in Spring Boot powering a multi-tenant online ordering and order-management platform adopted by 600+ merchants across 15+ European countries
- Designed and deployed REST APIs and a PostgreSQL (RDS) data layer with tenant-based isolation and auditing, hosted on AWS Elastic Beanstalk with blue/green deployments and automated CI/CD using GitHub Actions, reducing release time by ~60%
- Developed and maintained the web, mobile, and desktop apps for merchants using Angular 8+, and Ionic, implementing WebSocket-based real-time communication to instantly deliver new order alerts and trigger automatic receipt printing on connected devices
- Implemented asynchronous, event-driven communication between internal modules using Amazon SNS and SQS, improving reliability of background tasks such as order notifications and third-party integrations, and increasing system resilience under load
- Managed Secrets Manager and CloudFormation for secure, reproducible infrastructure; leveraged CloudWatch dashboards and alerts that reduced incident response time by ~40%

Senior Frontend Engineer

Home Tech Innovation, Inc.

Mar 2018 – Apr 2020

- Led the development of Suvie's marketing and meal-planner apps (Next.js PWA) serving 10K+ daily active users, driving \$2M+ in annual recurring revenue growth through subscription-based meal services
- Optimized SEO, performance, and WCAG 2.1 accessibility, increasing organic traffic by 30% and reducing page load time by 25% through Core Web Vitals enhancements

- Collaborated with design and marketing teams on A/B testing of tailored brochure versions for specific user segments, analyzed performance using GA4 and GTM, and delivered a ~20% increase in conversion rate and user retention
- Spearheaded the development of Suvie’s mobile app using React Native, Expo, and AWS IoT SDK providing a seamless UX for real-time smart-oven management
- Partnered with backend engineers using Rails, Solidus, and Hasura to design scalable data models and role-based GraphQL APIs, reducing API development time by 60% and cutting latency by 30%
- Established automated code-quality checks using ESLint, Prettier, and GitHub Actions, and implemented comprehensive unit and e2e testing with Jest and Cypress to ensure reliable, maintainable releases; mentored two frontend engineers on these workflows and best practices in code review and CI/CD

Frontend Engineer

Sweet Inn

Feb 2016 – Mar 2018

- Rebuilt Sweet Inn’s booking platform to support its hybrid “apartment + hotel” model, adding new modules for personalized stay customization, contactless check-in via smart locks, integrated customer-service chat, and dynamic pricing—boosting booking conversion by 22%
- Designed and implemented a modular, responsive UI system using React, Next.js, and Styled Components, ensuring cross-device consistency across 5+ international markets
- Integrated Apollo GraphQL and Redux to deliver real-time property and pricing data for 1,000+ listings, improving responsiveness and data integrity between client and backend services
- Enhanced performance with route-level code-splitting, image lazy-loading, and caching optimizations, reducing page-load time by 35% and improving Lighthouse SEO scores.
- Practiced full Test-Driven Development (TDD) using Jest, Mocha, Enzyme, and Cypress, achieving comprehensive coverage across unit, integration, and end-to-end testing flows

OPEN-SOURCE CONTRIBUTIONS

[TinaCMS](https://tina.io)

<https://tina.io>

2022 – 2023

- Collaborated with the founders & core team to maintain TinaCMS, an open-source Git-backed headless CMS with 13K+ GitHub stars
- Implemented new features and integrations, authored technical documentation, and resolved community-reported issues to improve stability and developer experience
- Assisted with customer onboarding and technical migration from Forestry to TinaCMS (including enterprise clients like Smashing Magazine)

EDUCATION

Bachelor’s Degree in Computer Science (Engineering)

Fudan University

2010 - 2014