

Milo Minho Kang

Senior Software Engineer | Frontend Architecture & Full-Stack Development

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PROFILE

Senior software engineer and founder who builds enterprise frontends, headless commerce platforms and AWS serverless systems. Designs reusable architectures with clear responsibility boundaries, small core interfaces and independent integrations, backed by documented decisions, automated validation and measured performance. Author of Redact Secret, an open-source Rust library that removes credentials from logs, traces and AI-agent context at runtime. Brings a design background to engineering work.

PROFESSIONAL EXPERIENCE

Omiologic LLC

Founder & Software Engineer | October 2023 – Present

Selected client: 3DDEX LLC - BiLumix & JK Dental Group

- Architect and maintain a shared React/Next.js storefront platform for two brands, BiLumix and JK Dental Group, isolating reusable UI and commerce logic from brand-specific content; catalog and cart run on the Shopify GraphQL API.
- Build and operate AWS serverless services and static storefront hosting on Lambda, API Gateway, DynamoDB, S3 and CloudFront, with releases automated through AWS SAM and GitHub Actions.
- Deliver customer inquiry and repair workflows with message threads, image attachments, Jira ticket synchronization, QR scanning and OCR-assisted serial-number capture.
- Integrate Klaviyo events and automated email flows into customer-service workflows; implement GA4/GTM tracking, SEO metadata and structured product data.
- Partner with marketing agencies on Google Ads: verify conversion tracking, update landing pages, prepare campaign assets and manage technical handoffs.
- Produce product animations and photorealistic renders from CAD models in Blender, and optimize images and video for storefront and marketing use.
- Deliver additional client sites, including Elevated Circle, where inquiries route through API Gateway and AWS Lambda into Jira Cloud.

Ariel Partners

Software Developer | September 2020 – 2023

- Built the React/Redux frontend for Training Image Management, integrating AWS services to schedule training classes and provision a Jira Data Center environment for each attendee.
- Developed a Jira Cloud Marketplace app that detects rule violations and data inconsistencies and supports administrators through review and correction, using React, Redux and Atlassian APIs.
- Led frontend development with Synergy BIS in a USCIS technology challenge, delivering a React/TypeScript prototype of I-730 petition submission and approval.

NYC Department of Social Services

Frontend Developer | May 2017 – November 2019

Enterprise applications for HRA / DHS

- Architected and maintained the agency's shared Angular framework, separating reusable UI, authentication, logging and caching from application features and publishing it as focused npm packages.
- Led frontend development of the Enterprise Reporting Portal, visualizing homelessness data with D3 and Google Maps through multidimensional filters, date comparisons and configurable reports.
- Defined agency design standards with UX designers and migrated shared components from Bootstrap to Material Design.
- Introduced code-generated framework documentation, project scaffolding and automated unit and browser tests; trained distributed teams in Angular and Redux.

Wholesale24x7.com

Web Developer & Marketing Manager | February 2010 – October 2015

- Built PHP/MySQL tools for inventory and vendor management, electronic invoicing, purchase orders and sales reporting; automated customer email and ran e-commerce marketing campaigns.

EC Soft

Web Designer | June 2008 – September 2009

- Designed web templates and converted visual mockups into HTML/CSS; created interactive animations in Adobe Flash and ActionScript.

OPEN-SOURCE ENGINEERING

Redact Secret | Open-source author & maintainer

- Author and maintain a runtime credential-redaction library with a deterministic Rust core and bindings for JavaScript, Python and WebAssembly.
- Separate detection, runtime adapters, optional restoration and evaluation tooling into independent packages, keeping integration dependencies out of the core.
- Ship adapters for Pino, Python logging, OpenTelemetry, MCP and AI-agent context, so secrets are removed before they reach logs, traces or model prompts.
- Build a reproducible benchmark suite and public report site that measure detection accuracy and performance on synthetic fixtures.

github.com/redact-secret/redact-secret

TECHNICAL SKILLS

Programming languages: TypeScript, JavaScript, Rust, Python, WebAssembly, SQL, HTML, CSS / SCSS

Frontend: React, Next.js, Angular, Redux, Zustand, RxJS, D3

AI & agents: Model Context Protocol (MCP), LangChain, LangGraph, vector databases, model training, agentic coding

Backend & cloud: Node.js, GraphQL, AWS Lambda, API Gateway, DynamoDB, S3, CloudFront, SAM, GitHub Actions, PostgreSQL, MySQL

Integrations: Shopify, Jira / Atlassian APIs, Klaviyo, GA4, GTM

Design & 3D: Blender, Adobe Creative Suite

EDUCATION & LANGUAGES

Fullstack Academy of Code | Full-stack software development bootcamp | February 2017

Languages: English, Korean