

CHASSITY NAKAMURA

Senior Product Engineer

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SUMMARY

Senior Product Engineer with 12+ years of experience building customer-facing products, cloud-native platforms, and AI-enabled workflows across fintech, healthcare, e-commerce, machine learning, and collaborative design. Combines hands-on full-stack engineering with product discovery, technical strategy, and cross-functional leadership. Proven record of delivering secure APIs, scalable distributed systems, intuitive user experiences, and operational tooling that improve reliability, speed, and customer outcomes.

CORE EXPERTISE

Product Engineering | Full-Stack Development | AI Agents & LLM Applications | Product Discovery & Prototyping | Cloud-Native Architecture | API & Distributed Systems | RegTech & Healthcare | Technical Leadership

PROFESSIONAL EXPERIENCE

Senior Product Engineer | [Parcha AI](#)

San Francisco, CA | 09/2025 - 08/2026

- Led end-to-end product engineering for Agent Hub, enabling compliance teams to configure, test, deploy, and monitor AI agents for KYC/KYB, enhanced due diligence, AML screening, and document verification.
- Partnered with customers, compliance specialists, design, and go-to-market teams to translate manual review processes and risk policies into intuitive, configurable workflows.
- Built full-stack experiences and APIs for case intake, agent configuration, review queues, detailed check results, and real-time dashboards supporting human-in-the-loop decisions.
- Developed asynchronous orchestration for multimodal LLM workflows combining document analysis, web research, external data sources, and policy-driven risk recommendations.
- Implemented explainability and audit-log capabilities that surfaced evidence, source references, intermediate checks, and decision rationale for transparent, defensible reviews.
- Owned features from discovery and prototype through launch and iteration while strengthening automated testing, observability, secure data handling, and model-quality evaluation.

Senior Software Engineer | [SutureHealth](#)

Birmingham, AL | 03/2023 - 08/2025

- Led architecture and delivery of secure communication and referral workflows used by healthcare providers.
- Modernized legacy systems into containerized, event-driven microservices, improving scalability and maintainability.
- Implemented HIPAA-aligned data handling and integrations with third-party EHR/EMR platforms.
- Developed a next-generation referral engine that reduced communication delays by 60%.
- Introduced observability and production monitoring practices that improved uptime and incident response.
- Led a Mirth Connect integration with Homecare Homebase and established reusable interface-development patterns.
- Mentored engineers and partnered with product and compliance teams on roadmap planning, technical strategy, and hiring.

Senior Software Engineer | [H2O.ai](#)

Mountain View, CA | 01/2021 - 02/2023

- Built and maintained cloud-native services for the H2O AI Cloud platform.
- Designed REST APIs and real-time data pipelines supporting enterprise-scale machine-learning workflows.
- Automated Kubernetes and Helm deployments across multi-cloud environments.
- Integrated MLflow for model metadata, experiment tracking, and operational monitoring.
- Led backend development for a self-service AI deployment module, reducing onboarding time by 40%.
- Collaborated with product, platform, and ML teams and co-authored internal ML lifecycle best practices.

PROFESSIONAL EXPERIENCE (CONTINUED)

Software Engineer | [Shopify](#)

San Francisco, CA | 08/2017 - 12/2020

- Designed and shipped merchant-facing features across Shopify's commerce platform.
- Built responsive, accessible React components in close partnership with product design.
- Optimized frontend performance and strengthened client-side API integrations.
- Improved internal deployment workflows and automated test pipelines.
- Led a checkout-customization refactor that reduced support tickets by 25%.
- Mentored junior engineers and helped productionize a hackathon analytics-dashboard concept.

Frontend Developer | [Figma](#)

San Francisco, CA | 04/2014 - 07/2017

- Implemented reusable UI components for Figma's real-time collaborative design experience.
- Contributed performance improvements to the canvas rendering layer and complex client-side interactions.
- Developed responsive layouts and reusable frontend modules for a consistent product experience.
- Conducted cross-browser QA and resolved compatibility issues across supported environments.
- Partnered with designers and engineers through design reviews and iterative delivery.

EDUCATION

Master of Science in Computer Science | [Osaka University](#)

04/2012 - 03/2014 | GPA 3.9/4.0

Bachelor of Science in Computer Science | [Osaka University](#)

04/2008 - 03/2012

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C#, PHP, HTML/CSS

Frontend: React, Next.js, Vue.js, React Native, Swift

Backend & APIs: Node.js, NestJS, Express.js, Django, Flask, FastAPI, .NET, Laravel, REST, GraphQL

Architecture: Distributed systems, microservices, event-driven systems, API design, observability

AI & ML: LLM applications, AI agents, multimodal workflows, MLflow, model evaluation, MCP server/client

Data: PostgreSQL, MongoDB, Snowflake

Cloud: AWS, GCP, Azure

DevOps & Delivery: Docker, Kubernetes, Terraform, Ansible, Jenkins, GitHub Actions

Testing & Quality: Jest, Playwright, automated testing, monitoring, incident response

Platforms: Shopify, Mirth Connect

Product & Leadership: Product discovery, prototyping, roadmap collaboration, mentoring, cross-functional leadership

Domains: Fintech and RegTech, healthcare, e-commerce, machine learning, collaborative design

Languages Spoken: English (Native)