Katie **Kim**

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Full-stack engineer with 5 years of experience shipping production web applications, APIs, and enterprise integrations at Snap and Expedia. Owns internal platforms end to end, from discovery and architecture through launch and production support: sole engineer on auditable business applications and tech lead on a production AI assistant powered by RAG.

EXPERIENCE

SNAP, INC. Systems Engineer, Enterprise Engineering
April 2025 - Present | Palo Alto, CA

- Sole engineer and PM building the **IT Budget Portal**, an auditable full-stack app replacing the IT org's spreadsheet-based annual budget planning; other orgs are already exploring adoption.
- Delivered the **NPL portal** end to end in one quarter as sole engineer, replacing an unmanaged access workaround for SpecsLabs.
- Tech lead for **SnappyBot**, a multi-agent IT-support AI live in 19 Slack channels; built its core **RAG engine** on Vertex AI and Gemini.
- Took **Glean custom actions** from design to company-wide launch and built the custom connector SDK.
- Led infrastructure for a self-hosted visitor and physical-access system covering ~7,000 identities.
- Rebuilt the **IT AI hackathon portal** into a config-driven multi-event platform in under 2 weeks.

STEALTH BIOTECH Cloud Software Engineer
December 2023 - January 2025 | Foster City, CA

- Developed and optimized a system to seamlessly upload FASTQ files to AWS S3, making the data available on the cloud platform UI to asynchronously trigger workflows for sequencing analysis, with archival policies that decreased S3 bucket size by > 90%.
- Led IAM initiatives by enhancing user permissions, scopes, and Cognito user pool management, integrating AWS SES for more complex user invite flows.
- Collaborated cross-functionally to build automated QA systems, integrating CloudWatch Agent, OpenSearch, and Slack for real-time alerts and visualizations on a dashboard.

EXPEDIA GROUP, INC. Software Development Engineer
September 2021 - December 2023 | Seattle, WA

Identity (October 2022 - December 2023)

- Integrated Vrbo authentication systems to the One Identity platform, successfully launching to the public in July 2023.
- Reduced cloud costs by automating CICD code building and testing pipelines, leveraging the serverless feature of Github Actions.

Virtual Agent Control (March 2022 - September 2022)

- Specialized in accessibility engineering for seamless screen reader integration on all devices across diverse OS and browsers.
- Optimized reference screenshots file sizes for browser compatibility tests by 90% with a custom DOM-based cropping function.

Virtual Market Coach (June 2021 - March 2022)

- End-to-end developed an internal tool for Expedia Partner Central, streamlining queries for properties and promotion types.

SKILLS

LANGUAGES TypeScript • JavaScript • Python • SQL • Go • Java • Bash • C/C++ • Starlark
FRONTEND React • React Router • Vite • HTML/CSS • Playwright • WCAG 2.2 (axe)
BACKEND & APIS Node.js • Fastify • FastAPI • Flask • Django • gRPC • REST/OpenAPI • OAuth 2.0/JWT • Pydantic
DATABASES Cloud Spanner • PostgreSQL (Cloud SQL) • BigQuery • Firestore • Redis • DynamoDB
AI & LLM Vertex AI (RAG Engine, Agent Engine) • Gemini 2.5 Pro/Flash • Gemini embeddings • Google ADK • Google GenAI SDK • LangChain • Ragas • MCP • Glean APIs (Indexing, Connectors, Actions) • RAG, reranking & RRF
AI DEV TOOLS Claude Code (skills, plugins, agents) • OpenAI Codex • Gemini Enterprise • Cursor • NotebookLM
CLOUD & INFRA GCP (Cloud Run, Pub/Sub) • AWS (Lambda, S3, Cognito) • Terraform • Ansible • Docker • Kubernetes
CI/CD & OBSERVABILITY GitHub Actions • pytest • Grafana • Datadog • Splunk • CloudWatch
SPOKEN English • Korean • French • Hindi • Spanish

CERTIFICATIONS

Google Cloud Skill Badge: Create Your First Gemini Enterprise Application (2026)
AWS Certified Cloud Practitioner (2023)

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY Class of 2021 | Berkeley, CA
BA Computer Science
BA Molecular and Cell Biology