

# Kevin Hu

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## EXPERIENCE

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### Altera AL

Full Stack Software Engineer

Menlo Park, CA

July 2024 – Present

- Built Go REST APIs for AI product workflows using GORM and PostgreSQL; deployed containerized services on Amazon ECS and streamlined builds with Bazel.
- Developed MCP-style integrations and tool-calling contracts that exposed backend capabilities to LLM/agent workflows with auditable execution paths.
- Designed prompt patterns, structured outputs, evaluation loops, and Redis metrics for reliable AI features and system observability.

### Roblox

Developer and Software Engineer

San Jose, CA

April 2023 – May 2024

- Developed Python microservices for AI-assisted gameplay workflows using Docker and PostgreSQL, supporting over 10M+ user interactions.
- Refactored TypeScript/Lua frontend systems and automated Kubernetes deployment pipelines, improving engagement by 30% and strengthening release reliability.

### Palo Alto Networks

Cloud DevOps Engineer

Santa Clara, CA

July 2020 – March 2023

- Engineered a production-grade Python CLI for Terraform/Ansible IaC workflows, provisioning AWS infrastructure through Jenkins for global teams.
- Deployed FedRAMP-compliant Kubernetes clusters and hardened CI/CD, IaC, MFA SSH, and Linux operations for secure cloud delivery.

### Palo Alto Networks

Cloud Integration Intern

Santa Clara, CA

May 2019 – August 2019

- Built Python VM automation for PAN cloud environments; integrated GlobalProtect, AWS KMS SSH, and Docker plugin testing.

### Teradata

DevOps Engineer Intern

San Diego, CA

May 2018 – August 2018

- Built Datadog/Grafana monitoring and Python AWS/Lambda automation; deployed artifacts with Jenkins/S3.

## EDUCATION

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### UC Berkeley

B.S. Electrical Engineering & Computer Sciences (EECS)

August 2016 – May 2020

## PROJECTS

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### Panes | AI Agent Workbench

[github.com/kevindhu/panes](https://github.com/kevindhu/panes) 

Open-source Codex-style coding workbench for agent chat, terminal orchestration, Git/diff review, audit trails, MCP tool orchestration, and local-first LLM execution.

## SKILLS

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**AI/Agent:** LLM APIs, prompt engineering, MCP tools/context, tool calling, structured outputs, agent orchestration, RAG, eval/telemetry

**Core:** Python/Go/Java/TypeScript, REST APIs, PostgreSQL/Redis/MongoDB, AWS, Docker/K8s, Terraform/Ansible, Jenkins/Bazel/Grafana