

Ethan Smith

SOFTWARE ENGINEER · AI PLATFORM ENGINEERING

San Francisco, CA

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Experience

Senior Software Development Engineer

San Francisco, CA

WORKDAY · ADAPTIVE PLANNING

Apr 2021 - Present

- Promoted three times in five years: Associate SDE → Senior Associate SDE → SDE → Senior SDE
- Developed the Planning Agent's data exploration, variance analysis, scenario planning, and help skills for enterprise financial planning, now deployed to 1,708 customers across 2,510+ sandbox instances
- Built an MCP client-server architecture (Python client, Java server) with progressive tool disclosure and subagents to reduce context bloat in agent interactions
- Designed and implemented the elicitation framework that renders planning widgets inline in the chat app by refactoring and reusing existing UI components, driving cross-team collaboration between GenAI, AppsAI, and architecture teams
- Shipped a portable report viewer widget for planning dashboards and hubs pages, giving users a consistent reporting experience without leaving their workflow — 544 instances and 12,760+ reports added in the first three months
- Replaced a manual report workflow with a cron-based scheduler for snapshot generation and notifications, used across 6,500+ enterprise customers

Software Engineering Intern

San Jose, CA

XACTLY

May 2020 - Aug 2020

- Automated SOC 2 audit evidence collection with a Java app using OAuth 2.0 and async API calls to Jira, Azure DevOps, Workday, and Salesforce
- Built a JSON-to-PDF converter so external auditors could read the API output in a structured format

Projects

Vacation Price Tracker

github.com/ethanasm/vacation-price-tracker

PYTHON · MCP · REACT

2026

- Tracks flight and hotel prices across date ranges for multiple users, with automated daily checks and historical trend data
- Custom MCP server exposes flight and hotel search tools backed by third-party APIs, with a React frontend for price visualization

MCP Review

github.com/ethanasm/mcp-review

TYPESCRIPT · MCP · CLI

2026

- AI-powered code review CLI built for solo devs who push to main without PRs, reviewing against local git history
- Acts as an MCP host spawning 4 tool servers over stdio (git diff, file context, convention scanner, related files), where the LLM drives its own context gathering across rounds
- Reviews reference actual project patterns and lint configs instead of generic advice because the model has access to the surrounding codebase, not just the diff

Education

University of Southern California

Los Angeles, CA

B.S. IN COMPUTER SCIENCE AND BUSINESS ADMINISTRATION

Aug 2017 - Dec 2020

- Cum Laude, GPA: 3.69/4.00

Skills

AI/LLM

LangGraph, LangSmith, Anthropic API, OpenRouter, RAG

Languages

Python, Java, TypeScript, C#, SQL

Frontend

React, Next.js, Angular

Protocols & Infra

MCP, REST, Git, Docker, Kubernetes

Backend & Cloud

Spring Boot, FastAPI, PostgreSQL, Oracle Database, Redis, GitHub Actions