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Senior Software Engineer / AI Developer Platform, Agent Context, DevEx, and Guardrailed Automation

Summary

Senior software engineer focused on AI developer platforms that make agent-assisted engineering practical, secure, measurable, and effective at scale. Former Meta and Google engineer with hands-on experience building agentic coding systems, evaluation harnesses, context/retrieval layers, internal developer workflows, and production backend platforms. Runs a live autonomous-agent fleet using callable tools, reusable skills, CI-backed verification, human approval gates, observability, and secure credential boundaries.

Selected AI Developer Platform Portfolio

Agent Context Layers, Workflows & Guardrails

- Built Gemini-based software-engineering agents in Google Cloud Office of the CTO with SWE-bench-style eval harnesses, planning-vs-execution metrics, and vector-search benchmarks to improve model/tool selection and agent behavior.
- Runs an autonomous-agent platform that connects agents to source code, docs, calendars, Gmail, LinkedIn, files, GitHub, CI, browser actions, and structured tools through explicit contracts and review-gated workflows.
- Designs reusable agent skills, prompt/procedure libraries, tool interfaces, state management, retries, failure recovery, and observability so agents can safely investigate, modify, verify, and report work.

Developer Experience, Measurement & Production Adoption

- Built developer and product-platform systems across Google, Meta, Citi, ClearDATA, and Lumeris, including secure APIs, workflow systems, launch analysis, trust-sensitive access controls, and large-scale testing/fuzzing.
- Shipped an ML-assisted Meta Marketplace listing flow that met launch-quality accuracy near 80% and lifted new shipped-listing creation about 8%, demonstrating production ML-to-product impact.
- Instruments agent and platform workflows with traces, metrics, logs, latency/error tracking, CI gates, and human-review thresholds so engineering impact can be measured rather than assumed.

Experience

Meta, Software Engineer

New York, NY | 2025 to 2026

- Expanded Facebook Marketplace third-party partner APIs and shipped-listing workflows for partner and seller-facing commerce.
- Shipped an ML-assisted listing flow that removed manual item-weight entry for shipped listings; predictions were evaluated against user-entered weights and carrier actuals, met the launch threshold near 80% accuracy, and lifted new-listing creation about 8%.

Google, Software Engineer

Pittsburgh / Austin / Remote / Atlanta | 2018 to 2025

- Worked across Google Shopping (Engineering Productivity), Google Play, Google Cloud Office of the CTO, and Internal Identity and Access Management.
- In Google Cloud Office of the CTO, built early agentic-coding systems: a Gemini-based software-engineering agent, SWE-bench eval harnesses, and planning-vs-execution metrics that guided funding and staffing; benchmarked vector-search frameworks at scale (ScaNN, FAISS, pgvector) to position GCP's AI competitively.
- In Google Play, helped build [Play Games Leagues](#) from the ground up on a five-engineer team and designed a configurable fuzzer for third-party Play APIs.
- Built Insider Risk systems for internal security, enterprise identity, and trust-sensitive access.

Earlier, Backend / Platform / Healthcare Engineering

Citi, Lumeris, ClearDATA, and others

- Built backend, platform, cloud, and healthcare systems in Python and Java across APIs, data workflows, and regulated environments.

Selected Systems & Public Work

- [Public agent-skills](#): reusable agent procedures, authoring patterns, and an MCP-vs-skills framework.
- [Operating Agent Fleets](#): an evidence-backed field guide for durable agent systems and bounded authority.
- [polymarket-insider-tracker](#): a Python tool that flags suspicious wallet activity on Polymarket prediction markets.
- AI instructor and speaker: led an [Ayiti AI](#) bootcamp session on MCP, AI-assisted coding, and deployment, and [addressed lawmakers on AI policy](#) at the NHAEON National Leadership Summit.

Technical Skills

Languages:	Python, Java, Kotlin, JavaScript/TypeScript, Hack, PHP, Bash, SQL
AI / Agent Systems:	AI agents, skills/playbooks, MCP-style tools, tool calling, evals, agent harnesses, autonomous coding loops, context engineering, RAG, model routing, secure tool execution, state management
Product & Systems:	API design, backend platforms, distributed systems, workflow orchestration, product metrics, experimentation, launch analysis, developer infrastructure
Security & Enterprise:	internal IAM, auth boundaries, insider-risk systems, credential brokering, trust-sensitive workflows, privacy/security review gates
Infrastructure:	Kubernetes, OpenTofu/Terraform, Argo CD, Docker, Linux, GitHub Actions, Actions Runner Controller, CI/CD, observability, multi-cloud
Data & Cloud:	PostgreSQL, Redis, Kafka, InfluxDB, Google Cloud, AWS