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Member of Technical Staff / Forward-Deployed AI Systems, Workflow Automation, and Product Platforms

Summary

Senior software engineer focused on AI-enabled workflow automation, forward-deployed product engineering, backend platforms, and agentic systems. Former Meta and Google engineer with experience translating ambiguous business workflows into reliable software across commerce, cloud, identity, healthcare, and regulated backend environments. Built Gemini-based software-engineering agents, SWE-bench evaluation harnesses, vector-search benchmarks, and a live autonomous-agent fleet with tool use, reusable skills, observability, CI gates, credential boundaries, and human-review controls. Strongest implementation depth in Python and Java, with practical JavaScript/TypeScript, cloud, API, integration, and reliability experience.

Eagle AEC Alignment

- Strong match for Eagle's forward-deployed mandate: learn real user workflows quickly, identify leverage points, and ship durable software that improves speed, quality, and operational throughput.
- Built systems at the boundary of product, operations, and engineering, including Meta Marketplace seller workflows, Google Cloud Office of the CTO prototypes, Google Play developer tooling, and regulated backend platforms.
- Agent and automation portfolio maps to Eagle's focus on proposal generation, opportunity intelligence, relationship mapping, document intelligence, knowledge retrieval, AI-assisted workflows, and reusable deployment playbooks.
- Communicates across engineering, business, legal, design, content design, ML, and leadership stakeholders while preserving execution clarity, adoption metrics, reliability, and human-control boundaries.

Selected AI Workflow, Platform & Deployment Portfolio

Forward-Deployed AI, Agents & Workflow Automation

- In Google Cloud Office of the CTO, built Gemini-based software-engineering agents, SWE-bench evaluation harnesses, planning-vs-execution metrics, and vector-search benchmarks for applied AI infrastructure decisions.
- Runs a live autonomous-agent fleet with MCP-style callable tools, reusable skills, scheduled workflows, messaging integrations, traceable execution, CI-backed verification, and recovery loops for long-running work.
- Designs AI-enabled workflows where agents and applications call APIs, documents, browser actions, and external systems through typed interfaces, with retries, auditability, and operational guardrails.

Product Platforms, Integrations & Real-World Operations

- At Meta Marketplace, expanded third-party partner APIs and shipped-listing workflows, then launched an ML-assisted listing flow that removed manual item-weight entry and lifted new-listing creation about 8%.
- Built backend, cloud, identity, healthcare, financial, and commerce systems across Google, Meta, Citi, ClearDATA, and Lumeris, emphasizing APIs, data workflows, access control, reliability, and production tradeoffs.
- Instruments platform and agent systems with traces, metrics, logs, latency/error tracking, and operational gates so production behavior is visible and failures can be corrected.

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