

Brandon Callahan

Applied AI Engineer | Agentic Systems, RAG, Enterprise Integrations
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SUMMARY

Applied AI engineer with 20+ years in IT, building agentic systems and RAG, and deploying production tools for enterprise customers. Coding since 2015, with multiple tools added to the Tanium product roadmap. Tanium AI Ambassador, shaping high-value AI use cases into production-ready solutions.

SKILLS

- **AI & LLM:** Claude Code, Claude API, multi-agent systems, RAG, vector databases, RAGAS, Langfuse, MCP
- **Languages:** Python, Go, JavaScript, PowerShell, shell scripting
- **APIs & Integrations:** REST, GraphQL, ServiceNow, Tanium platform
- **Infrastructure:** Docker, Terraform, Ansible, Git, Jenkins; Linux, Windows, macOS, AIX

WORK EXPERIENCE

Tanium **Nov. 2020 – Present**
Senior Enterprise Services Engineer (AI Tooling & Integrations) *Durham, NC*

- **Internal RAG platform:** Designed and built a multi-agent RAG system end to end (vector database, storage engine, and a code intelligence engine that generates docs from source), using RAGAS and Langfuse for evaluation, tracing, and logging.
- **Vulnerability tooling:** Built a vulnerability tool running in production for a large enterprise customer.
- **Policy consolidation:** Wrote a tool in Python and Go that consolidates firewall policies across 100K Windows endpoints at another of Tanium's largest customers.
- **Compliance at scale:** Wrote custom compliance code running in production on 400K+ workstations for a large customer.
- **Migration tooling:** Developed an API-driven migration tool spanning 12+ modules, with a dependency graph that resolves nested groups to every targeting reference across the Tanium platform.
- **Customer tooling:** Developed API tools and custom content in Python and Go for enterprise customers; multiple tools added to the product roadmap and early work adopted into standard product content.

Apex Tool Group **Oct. 2019 – Nov. 2020**
Data Center Architect *Apex, NC*

- Rolled out GitLab as the primary version control system across the IT organization.
- Built custom sensors and packages with the security team to retrieve critical endpoint data.

Syntax Systems (formerly Freudenberg IT) **Mar. 2013 – Oct. 2019**
Infrastructure Design Engineer | Aug. 2018 – Oct. 2019 *Durham, NC*

- Automated low-level design creation by integrating multi-source data into ServiceNow with Python.
- Cut total cost of ownership 20% by moving HANA on Power workloads to shared processor pools.

Senior Platform Engineer | Mar. 2013 – Aug. 2018

- Automated HANA on Power, winner of IBM's 2018 Top Strategic Service Provider Excellence Award.
- Wrote custom Python modules for Ansible to automate AIX and Linux changes.
- Raised backup success from 89% to 99% by rewriting backup scripts from KSH to Perl, then Python.

IBM **Aug. 2012 – Mar. 2013**
Linux and Storage Engineer *Raleigh, NC*