

Dimick Beesley

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Software and infrastructure engineer with hands-on experience spanning cloud infrastructure, backend development, and applied AI — from Azure/M365 environments to production RAG pipelines and LLM-based agent systems. Builds at the intersection of software, infrastructure, and AI, and is looking to bring that combination to a role with deeper exposure to complex development and infrastructure work. Seeking a systems, infrastructure, or software engineering role at a mid-size to large technology company.

SKILLS

- Cloud & Infrastructure: Microsoft Azure, Microsoft 365, Exchange Online, SharePoint, Tailscale, OPNsense
- Languages & Scripting: Python, PowerShell, Bash, C, JavaScript, HTML/CSS, Go, C++, C#
- DevOps & Tooling: Docker, Ansible, Git, FastAPI, PostgreSQL, Azure AI Search, Grafana, REST APIs, VaultWarden, Caddy, Syncthing, Restic
- Systems: Linux (Debian, Fedora, Arch), TrueNAS, OPNSense, FortiGate, networking fundamentals
- AI & LLM Engineering: LLM agent/harness design, retrieval-augmented generation (RAG), Anthropic API & open-source model integration, prompt engineering, automated workflow tooling

EDUCATION

Auburn University, Samuel Ginn College of Engineering, Auburn, AL – May 2024

Bachelor of Science, Computer Science

PROJECTS

GovPro – AI-Powered Government Proposal Platform

Internal tool built on FastAPI (Uvicorn), PostgreSQL, and Azure AI Search to streamline government proposal development using AI-assisted retrieval and generation. Containerized for local development and Azure deployment.

- Designed RAG pipeline integrating PostgreSQL vector search and Azure AI Search with an LLM backend for proposal content retrieval
- Authored Docker configuration and Azure-ready deployment pipeline; scoped for iterative CI/CD integration

blu3m lab – Personal Homelab & Portfolio

Self-managed homelab running repurposed hardware with OPNsense, Tailscale, Ansible, and Restic. Portfolio site (Flask + nginx) self-hosted and served via Cloudflare.

- Multi-node network with VLAN segmentation, DNS filtering (Pi-hole), and VPN overlay (Tailscale); automated configuration management via Ansible with Restic backups to offsite storage
- Repurposed legacy hardware into a dedicated OPNsense firewall/router and a TrueNAS-based NAS, resolving hardware/driver compatibility issues along the way

LLM Harness – AI-Assisted Development & Documentation Tool

Personal LLM harness supporting both Anthropic and open-source models, used to assist development across personal projects and keep homelab/website documentation continuously in sync.

- Built a RAG pipeline that grounds the harness in lab documentation, giving both Anthropic and open-source models accurate, up-to-date project context during development
- Designed a suggestion/approval workflow that proposes edits directly to an Obsidian documentation vault for review, reducing the friction of keeping homelab documentation current
- Extended the same workflow to personal website updates via automated pull requests, letting content changes be reviewed, edited, or merged with a single approval step

Slay the Spire 2 Run Analytics – Personal Data Pipeline

Automated data pipeline that ingests personal Slay the Spire 2 run data and visualizes it for gameplay insight.

- Wrote a Python file-watcher/ingestion script that automatically detects new run files and loads them into a PostgreSQL database on the homelab in real time
- Built a Grafana dashboard on top of the database to surface run stats and trends, informing strategy and play improvements

WORK EXPERIENCE

iParametrics

November 2024 – Present

IT Manager

Alpharetta, GA

Sole IT resource for a government contracting firm, responsible for infrastructure, automation, and internal tooling — including designing and building an AI-powered internal platform to accelerate proposal development.

- Administered Microsoft 365 and Azure tenant including Entra ID, Intune, Defender for Endpoint, Exchange Online, SharePoint, and Conditional Access policies for ~40 users; managed network security via a FortiGate firewall.
- Designed and deployed GovPro, an internal AI platform built on FastAPI (Uvicorn), PostgreSQL, and Azure AI Search to surface relevant proposal content via RAG; containerized with Docker for Azure-ready deployment.
- Built PowerShell automation scripts for IT operations including an API debugging tool with Azure Key Vault secret injection; maintains personal scripting toolkit for homelab and infrastructure management.