Christopher Guzowski - AI Engineer | Full Stack Developer
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[My Website](#) | [GitHub](#) | [LinkedIn](#)

Professional Summary

AI Engineer and Full-Stack Developer with a strong foundation in software engineering, systems design, and productionizing intelligent systems. Experienced in building retrieval-augmented generation (RAG) agents and agentic workflows (LangChain, OpenAI API, Pinecone), deploying cloud-native applications with Docker and AWS, and delivering robust web applications (Angular, Spring Boot, Django). Proven track record of translating product requirements into scalable, testable solutions, improving reliability, and shipping end-to-end projects hosted on self-managed and cloud infrastructure.

Technical Work Experience

Freelance AI Engineer | Personal Projects   *Aug. 2023 – Present*
- Designed and deployed AI Agents for travel, an itinerary maker and companion (n8n, OpenAI API and LangChain).
- Built and self hosted a full-stack personal website on a Raspberry Pi with Docker, secured via Cloudflare (Angular, Spring Boot, and MySQL).
- Developed a drone portfolio website leveraging AWS to showcase aerial media with cloud scalability.
- Engineered a trading bot with web scraping, portfolio management, and paper trading (Ubuntu and Django)
- Created IoT and automation projects with Raspberry Pi, Linux and Python, including smart home integrations.
- Strengthened expertise in Linux administration, networking, dual-boot/VM setups, and bash scripting.

Tata Consultancy Services (TCS Client: Bullhorn) | Full Stack Developer   *Mar. 2021 – Aug. 2023*
- Delivered enterprise-scale web apps with a focus on performance and scalability (Angular, Node.js, Java, SQL).
- Collaborated in Agile teams across stand-ups, grooming, and sprint planning, translating business needs into technical deliverables.
- Participated in Agile ceremonies (stand-ups, grooming, planning) and collaborated via Teams, Jira and Github.
- Boosted product reliability with 91% coverage, improving reliability with test automation (JUnit and Jasmine).
- Implemented role-based access control with OAuth and JWT, improving authorization and authentication.
- Contributed migration efforts of legacy apps to a microservices architecture for system modularity and scalability.
- Authored technical documentation to support onboarding, knowledge transfer and maintainability.

Hercules Heat Treating Corp. | Quality Assurance Specialist (Interim)   *Feb, 2020 – March, 2021*
- Queried databases, analyzed data in Excel, and presented during audit, successfully passing with 0 findings.
- Automated workflows with batch scripts, improving system efficiency and reducing turnaround time by 36%.
- Modernized operations by digitizing furnaces and supporting IT infrastructure, improving efficiency.

Nanov Display Inc. | Tech Support (Intern)   *June, 2019 – Nov. 2019*
- Revamped website architecture, reducing load time by 32% and leading to a 14% increase in user engagement.
- Traveled to client locations and expos to set up Nanov products, managing assembly, installation and deployment.
- Engineered Innovative marketing solutions. resulting in a 22% increase in new customers.

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL, PostgresSQL
Frameworks: LangChain, Angular, Django, FastAPI, Spring Boot, Node.js
Tools: REST APIs, Docker, CloudFlare, JSON, XML GitHub, Jira, Trello, Npm, Bash
Platforms: Windows, Linux (Ubuntu/Raspberry Pi OS), Microsoft Teams, AWS, Pinecone
Testing: JUnit, Jasmine

Education (NYC College of Technology)

B. Tech in Computer Systems, Magna Cum Laude (GPA: 3.6)   *Jan. 2020*
  ● Emerging Scholars Program (*Jan., 2019 – May, 2019*)
Associate in Applied Science in Computer Information Systems, Honors (GPA: 3.4)   *June 2018*

Academic Awards:

● Graduate Magna Cum Laude, **GPA: 3.56 / 4**   June, 2020
● Emerging Scholars Program   Jan., 2019 – May, 2019

Certifications

● RAG and Agentic AI Professional - IBM   (In Progress, Expected October)
● Product Management Fundamentals - University System of Maryland   *June 2025*
● FAA Part 107 Commercial Drone Pilot - Federal Aviation Administration   *May 2023*
● Programming Using Java - Microsoft   *May 2019*

Projects:

● Ai Itinerary Maker & Companion: End - to end agentic travel assistant using LangChain + OpenAI + Pinecone for contex retrieval, n8n for orchestration & workflow automation, and Angular frontend.

● Self-hosted Portfolio Webiste: Dockerized Angular + Spring Boot app running on Raspberry Pi behind Cloudflare; demonstrates CI/CD, backups and remote access.

● Utilizing Raspberry Pi for smart home applications with remote access.

● Designed and developed C# unity game called "Face in Space" that is crossplatform, multiplayer and single player vsing AI.

● Lead a team by designing and implementing a website simulating business functionalities.

Interests & Hobbies:

Designing systems that simplify life, data visualization, aerial media (drone pilot), outdoor activities (hiking, kayaking), healthy living and meditation, and storytelling.