

Molly Carroll | Software Engineer

molly@mollycarroll.dev / mollycarroll.dev / linkedin.com/in/mollyacarroll / +1 (636) 312-2028

Projects

Icarus - AI Chatbot Resume | St. Louis, MO (2026)

- ◆ Retrieval Augmented Generation-based AI chatbot that answers job interview questions as a robotic resume representative. Architected, designed and tested from scratch and uses Python with open source tooling for tech stack. Bot uses the Gemma3 model for inference. Tech: Python, SQL, LangChain, Ollama, Hugging Face, Supabase

Experience

Senior Software Engineer | Eduity | Denver, CO (2024)

- ◆ Contract engagement as lead backend engineer anchoring major functionality implementation design for early-stage SaaS startup. Scope of work involved architectural leadership including tradeoff analysis, stakeholder discussions and communication re: business value of technical/architectural choices. Tech: Laravel, PHP, Docker, Neo4J, PostgreSQL

Software Developer | Thoughtworks | Denver, CO (2021-2024)

- ◆ Project: **Demo AI copilot for HR-related internal use & client presentations**. Role: Tech team lead. Worked with AI leader in Product. Formed team from TW recruits of two more developers and a UX designer. Demo a success and the team received positive feedback from TW demand. Tech: Python, LangChain, Jamba Instruct LLM (AI2I), React.js
- ◆ Project: **TW enterprise search conversion to RAG AI search**. Role: technical advisor to team. Guided this Tech-Ops team as needed in sprints and dev meetings answering questions on implementing with GCP, Google Vertex AI and Gemini technology. (Tech used as mentioned.)
- ◆ Project: **Technical trainer @ TW AI PromptCamp**. Role: session facilitator, session presenter, PC leadership team (Solution Design track). Led and facilitated discussions of GenAI etc. session topics presented by colleagues and also presented my own sessions on topics like LlamaIndex and RAG context windows.
- ◆ Project (TW client - grocery retailer): **Site reliability engineering** to support large new feature rollout of grocery order fulfillment software to stores of nationwide grocery chain. Role: consultant developer. Empowered new SRE team to gain momentum on the features to release, as I had familiarity as a past developer of the rollout features. Designed and implemented observability dashboards and monitoring tools to support the new features in production. Tech: Dynatrace, Datadog, Elasticsearch, Kibana, shell scripting, data visualization
- ◆ Project: Thoughtworks' **employee leave planner application**. Role: developer. implemented last new features and documentation as part of the small dev team preparing the application for maintenance-only support. Served as subject matter expert in terms of running the application on GCP as a certified associate cloud engineer. Tech: Java Spring (Boot, MVC), Mockito, JUnit, CircleCI, Google Cloud Platform
- ◆ Project (TW client - grocery retailer): **Backend legacy microservices development in Java** building grocery order fulfillment software suite. Role: consultant developer. Part of a team responsible for production maintenance and feature delivery for a set of ~25 legacy microservices in orchestration. The team was responsible for transitioning the software to a cloud infrastructure. I anchored and led several feature and epic implementations, and facilitated architectural decision/planning sessions with the client. One of the features whose implementation I led was a feature to modify a grocery order the same day it was placed. Tech: Java, Spring, JUnit, Mockito, GitHub Actions, Kubernetes, Rancher, Postman, Kibana, Dynatrace, command line code analysis tools
- ◆ Project (TW client - grocery retailer): **Web-based utility app** supporting grocery fulfillment software + **in-person software rollouts**. Role: consultant developer. I was on a team developing web-based support utility tools for the client's grocery order fulfillment software. I also led the subset of my team that made in-person visits to stores for new rollouts to assist a smooth transition at their systems on the ground. I worked directly with client stakeholders and users of the new software as it rolled out across the country. Tech: JavaScript, Node.js, React.js, TypeScript, Cypress, Jest, Kubernetes, Rancher

Digital Advertising Support Specialist | Accenture | Denver, CO (2019-2020)

- ◆ JavaScript-based technical solutions for global sales team for ad customers' social media pixel & analytics on client's platform, including optimized setup for major e-commerce like Shopify, BigCommerce and Wordpress.

Certifications

MCP: Build Rich-Context Apps with Anthropic (Jul 2025) – DeepLearning.AI

Advanced Retrieval for AI with Chroma (Nov 2024) – DeepLearning.AI

Natural Language Processing (May 2024) – Hugging Face

Google Cloud Platform Associate Cloud Engineer (Jan 2024) – Google Cloud

Education

Courses at Thoughtworks (2021-2024): Domain Driven Design Bootcamp, Tech Lead Training, Crucial Conversations, Security Champions, Effective Feedback

General Assembly (2021) | Certificate, Software Engineering Immersive

Saint Louis University (2015) | Dual Bachelor of Arts: English, International Studies, Philosophy, Film Studies