

# Molly Carroll | Software Engineer/Developer

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## 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 (AI21), 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. 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. Tech: Java Spring (Boot, MVC), Mockito, JUnit, CircleCI, Google Cloud Platform
- ◆ Project (TW client - grocery retailer): **Backend legacy microservices development in Java** building 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. I anchored and led several feature and epic implementations, and facilitated architectural decision/planning sessions with the client. 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 support utility tools for the client's 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. Tech: JavaScript, Node.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.

## 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