

Korry Tunnicliff – Software Engineer

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

WORK EXPERIENCE

SOFTWARE ENGINEER

Amazon, Seattle, WA

NOVEMBER 2024 – PRESENT

- Architected and launched Amazon Haul's personalized outbound notification system generating over \$50 million in annualized revenue, delivering 10M+ personalized push notifications weekly with abandoned cart reminders and re-marketing campaigns
- Led a cross-team integration to onboard Amazon Haul to Amazon's Customer Understanding Engine, scaling neural network ranking models across all endless scroll experiences while maintaining sub-20ms latency requirements
- Refactored Amazon Haul's monitoring and alarming into a dedicated observability package with configuration-driven alarms and automated dashboard generation, reducing marketplace monitoring setup for international teams from 3-4 weeks to less than 1 week
- Designed and launched several distributed, international projects driving discovery and traffic to Haul, executing at over 1000 TPS in Amazon's microservice recommendations infrastructure
- Within AWS Bedrock, built AWS account deployment pipelines and distributed rate limiting infrastructure for the fine-tuning and inference of Anthropic's host of Claude LLMs with Java and AWS CDK
- Mentored SDE intern through successful project, delivering accurate badging for Amazon Haul's best-selling products; resulted in a return offer to Amazon

SOFTWARE ENGINEER

JUNE 2023 – NOVEMBER 2024

LineVision, Boulder, CO

- Demonstrated full-stack expertise, streamlining front-end development with React to create intuitive interfaces, while effectively managing backend complexities with extensive AWS integrations (SQS, S3, Lambda, ECS, EC2)
- Saved hundreds of hours for the team with internal tools and architecture to enhance data quality, and visualize geospatial data easily
- Designed and built a wind simulations pipeline from the ground up using AWS tooling, and increased its performance by 100x
- Refactored, redesigned, and delivered an improved backend Python API and legacy React codebase. Improved request latency by 60x
- Mentored and brought up an intern, teaching about the software development life cycle and best practices including test driven development and CI/CD

SOFTWARE ENGINEER INTERN

MAY 2022 – AUGUST 2022

MojoTech, Boulder, CO

- Engaged in full-cycle application development with a team of 25 software engineers and 4 software engineer interns through collaboration on GitHub and the use of Elixir, Phoenix LiveView, PostgreSQL, React, Apollo, and Absinthe

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, C, C++, Elixir
- **Frontend + Backend:** AWS, React, Redux, Node, Kubernetes, MongoDB, PostgreSQL, Redis
- **Specializations:** Recommendation Systems, A/B Testing, Cloud Computing, Data Pipelines

EDUCATION

University of Colorado Boulder

B.S. Computer Science

Graduated: May, 2023

Boulder, CO

- GPA: 3.75/4.0
- 6x CU Dean's List honoree, Boettcher Scholarship Semifinalist, CU Esteemed Scholar, Thomas T. Eaton Scholarship recipient