

# Jason Marcell

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## Experience

- **Software Engineer**, Amazon, Austin, TX 01/2024 - Present
  - Built an award-winning hackathon POC for enterprise procurement classification that was immediately funded for production; served as technical lead for a team of engineers and data scientists to evolve from an LLM prototype into a scalable classical ML pipeline on AWS SageMaker, now deployed to production processing millions of records with projected annual savings of roughly half a million dollars.
  - Designed experimental AI-assisted development workflows using coordinated LLM subagents, tmux-orchestrated task graphs, git-worktrees, and ephemeral cloud environments to parallelize engineering workflows; built internal LLM-powered developer tooling integrating codebase context and operational runbooks.
  - Early leader of an AI initiative across a 50+ engineer organization; created a 14-topic agentic AI workshop series, built internal AI agents and developer tooling, and drove adoption of AI-native development workflows across the department.
  - Established a department-wide pattern for auto-generated SDKs from OpenAPI specifications, eliminating thousands of lines of manual integration code and standardizing API integrations across multiple systems.
- **Lead Software Engineer**, Capital One, McLean, VA (Remote) 11/2022 - 01/2024
  - Led a team building a modular ETL platform for large-scale financial forecasting on a fully serverless AWS stack (DynamoDB, Lambda, React).
  - Developed open-source Jira CLI and inner-source Feature Toggle CLI adopted company-wide.
- **Staff Software Engineer**, Twilio, San Francisco, CA (Remote) 09/2021 - 11/2022
  - Led a team of eight engineers building Twilio's Lookup API, an industry-leading consumer trust and phone identity platform.
- **Staff Software Engineer**, Lucid, LLC, New Orleans, LA 05/2018 - 09/2021
  - Led engineering of new microservices in Python and Golang on AWS, contributing to the first billion-dollar startup acquisition in Louisiana.
- **Software Engineer**, Apple, Inc., Cupertino, CA 10/2011 - 05/2018
  - Safari and WebKit Operations — built CI/CD infrastructure, testing, and deployment tooling for Apple's browser engine across iPhone and Mac.
  - Hardware Reliability Engineering — wrote software for automated hardware stress testing and large-scale data analysis that directly informed product development from prototype through launch.

## Skills

**AI / ML:** Generative AI, LLM Applications, Agentic Workflows, Retrieval-Augmented Generation (RAG), Classical Machine Learning, AWS Bedrock, AWS SageMaker, scikit-learn

**Languages:** Python, Java, Rust

**Infrastructure:** AWS, Serverless Architecture (Lambda, DynamoDB, API Gateway), Docker, CI/CD, Infrastructure as Code (CloudFormation, CDK)

**Systems Engineering:** AI-Native Development, Distributed Systems, REST APIs, OpenAPI, SDK Generation, Microservices, Test Automation

## Certifications

- AWS Certified Solutions Architect - Associate
- Eagle Scout, Boy Scouts of America

## Education

- **Cornell University**, Masters of Engineering Computer Science 08/2010 - 05/2011
- **United States Marine Corps**, Officer Candidate School 05/2003 - 06/2003
- **Georgia Institute of Technology**, Bachelor of Science Electrical Engineering 08/2000 - 07/2004