

# Jack Maloy

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## Professional Summary

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Results-driven Infrastructure Engineer with 6+ years building scalable, reliable systems at AWS and JPMC. Proven expertise in Kubernetes, cloud infrastructure, and AI/ML systems with experience leading multi-million dollar initiatives. Specialized in distributed systems, infrastructure automation, and supporting high-performance computing workloads.

## Experience

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### Amazon Web Services

**Mar. 2021 – Present**

*Senior Software Development Engineer (Present)*

*New York, NY*

*Software Development Engineer II (Sep 2022 - June 2025)*

*Software Development Engineer I (Mar 2021 - Sep 2022)*

- Organizational lead for Claude 4 launch across AWS infrastructure teams inclusive of new routing design for AI safety systems and Trainium2 hardware degradation framework spanning 12 regions and 50+ developers.
- Built large-scale Kubernetes infrastructure supporting thousands of GPU/Trainium workloads with complex EKS routing design to reduce inference latency and minimize critical availability issues.
- Designed and led development of new API for creating dedicated inference capacity within Kubernetes hosting environment for commercial customers (8+ figure ARR).
- Designed an automated LLM testing infrastructure covering a wide variety of cases related to the inference lifecycle, model performance and security - reducing testing suite time from 2 days to 2 hours.
- Onboarded dozens of engineers as core engineer of inference hosting team and personally mentored 3 junior engineers through promotions and technical design.

### PartnerUp

**May. 2023 – Present**

*CTO*

*Jersey City, NJ*

- Responsible for the full design and development of automated lead generation software, utilizing LLMs, web scraping, and cloud computing.
- Evaluated a comprehensive range of software solutions, analyzing feasibility and trade-offs to guide strategic decision-making, ensuring technology alignment with our startup goals.
- Implemented complete CI/CD pipeline with a full suite of deployment tests for operational observability.

### JP Morgan Chase & Co.

**July 2020 – Mar. 2021**

*Software Engineer (July 2020 - Mar 2021)*

*Wilmington, DE*

*Academic Intern (June 2019 - Apr 2020)*

- Implemented a data manipulation pipeline used to transform terabytes of data for in-house applications.
- Assisted in the development and execution of ServiceNow production deployments on a weekly basis.
- Designed, developed, and deployed a full-stack web application using Django and Apache servers.
- Utilized Python scripts and Salesforce Lightning web components to analyze data and display findings to internal teams.

## Skills

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### Technology

AWS (Cloud), Linux, Kubernetes & Docker, React, NextJS, IaC (CDK, Terraform)

### Languages

Python, Java, TypeScript, Go

### Procedure

Release Procedure, Testing Methodologies, System Design, Customer Interaction

## Education

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### University of Delaware

*BS, Computer Science / Minor: Cybersecurity / Concentration: Artificial Intelligence*

**May, 2020**

*Newark, DE*