



Camden Maxwell

Principal ML Ops Engineer

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SUMMARY

Results-oriented Principal ML Ops Engineer with over 10 years' expertise in architecting and implementing large-scale machine learning systems. Skilled at leading the design, creation, and execution of sophisticated ML Ops pipelines, bringing efficiency to processes from training through deployment. Collaborative approach in partnering with diverse cross-functional teams and external stakeholders has ensured robust, dependable AI solutions in production. Embracing a hands-on mindset, committed to establishing best practices and influencing architectural directions that elevate performance and reliability across AI operations. Eager to contribute advanced skills to a dynamic development culture.

EXPERIENCE

Principal ML Ops Engineer

CloudTech Innovations 📅 January 2021 - Present 📍 Austin, TX

Lead end-to-end ML Ops efforts, driving architecture and implementation of scalable systems for optimal efficiency and performance.

- Architected and built the complete ML Ops pipeline, enhancing model training and deployment by thirty percent.
- Partnered closely with AI researchers and engineers, optimizing ML model performance and reliability in live environments.
- Established internal standards for version control and orchestration among cloud and on-prem resources.
- Mentored junior engineers, imparting knowledge which improved project delivery timelines significantly.

Senior ML Ops Engineer

DataWave Solutions 📅 June 2018 - December 2020 📍 Seattle, WA

Designed and deployed impactful ML systems, managing efficient resource use while improving operational effectiveness.

- Developed observability frameworks, enabling real-time monitoring of ML model metrics like performance and reliability.
- Implemented cost-effective strategies resulting in an impressive reduction of operating expenses.
- Created automated workflows for data curation, which greatly expedited model evaluation processes.
- Collaborated with various teams, ensuring successful integration of ML systems within enterprise applications.

ML Ops Engineer

AI Dynamics 📅 March 2015 - May 2018 📍 San Francisco, CA

Focused on optimizing cloud-based ML frameworks by enhancing their availability while effectively managing system latency.

- Developed efficient CI/CD pipelines, allowing rapid deployments of updated machine learning models into production.
- Worked alongside data engineers to create feature extraction pipelines for seamless real-time ML applications.
- Conducted rigorous performance testing on cloud infrastructure, confirming robustness across variability scenarios.
- Introduced innovative practices for ML model monitoring, guaranteeing sustained thresholds for quality.

STRENGTHS

- Team Leadership**
Emphasized collaborative approaches, fostering a supportive environment where peers feel comfortable sharing insights and ideas.
- Innovative Problem Solving**
Prioritized a solution-focused mindset, turning challenges into learning opportunities that drive process improvements.
- Technical Proficiency**
Utilized extensive knowledge of cloud services and languages to develop cutting-edge infrastructure for AI capabilities.
- Adaptability**
Embraced change actively, readily pivoting between projects while maintaining focus on long-term goals for stability.
- Effective Communication**
Cultivated clear lines of communication across teams—ensured understanding and alignment amidst complex tasks.

SKILLS

Machine Learning Operations (ML Ops)

Cloud Infrastructure (AWS, GCP)

Python, TypeScript

Docker, Kubernetes

CI/CD Pipelines

Performance Monitoring

Model Deployment

Orchestration Techniques

Generative Models Production

Continuous Optimization

Distributed Systems Administration

Data Pipeline Development

Observability Implementation

Scalable Systems Design

Dataset Curation Automation

Feature Engineering

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Principal ML Ops Engineer at CloudTech Innovations (5.4 Years)

● Senior ML Ops Engineer at DataWave Solutions (2.5 Years)

● ML Ops Engineer at AI Dynamics (3.2 Years)

LEADERSHIP & AWARDS

- Recognized as Employee of the Year for contributions to project success and innovation in ML pipeline methodologies.
- Led the team achieving consistent high marks in scientific accuracy and workflow efficiency in ML Operations.

EDUCATION

Master of Science in Computer Science

University of Colorado 🎓 GPA: 3.8 📅 2015 📍 Boulder, CO

Coursework: Artificial Intelligence, Machine Learning, Data Structures, Software Engineering

CERTIFICATIONS

- AWS Certified Solutions Architect 📅 2020
- TensorFlow Developer Certificate 📅 2019

TECHNICAL SKILLS

- **Machine Learning Frameworks:** TensorFlow, PyTorch, Scikit-learn
- **Cloud Platforms:** AWS, Google Cloud, Azure
- **Containerization:** Docker, Kubernetes, OpenShift
- **Programming Languages:** Python, Java, TypeScript, Go
- **Automated Testing Frameworks:** Jest, Mocha, NUnit
- **Data Processing Tools:** Apache Spark, Hadoop, Kafka
- **Monitoring Tools:** Prometheus, Grafana, ELK Stack
- **Version Control Systems:** Git, GitLab, Bitbucket
- **Operating Systems:** Linux, Windows, MacOS
- **Networking Protocols:** TCP/IP, HTTP, REST

PROFESSIONAL AFFILIATIONS

- Active member of the Society for Artificial Intelligence, promoting advancements in AI technologies and ethics.
- Volunteered with the local coding camp, mentoring students on basics of machine learning and application technicalities.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST