

# Kaia Ortiz

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## SUMMARY

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Dedicated MLOps Engineer with over four years in software engineering and machine learning operations. Eager to enhance AI-driven solutions through robust ML pipeline management. Proficient in designing CI/CD pipelines tailored for machine learning, developing efficient infrastructures, and ensuring seamless collaboration with data scientists and engineers. Committed to optimizing ML workflows by staying current with MLOps best practices and emerging technologies. Strong in Python programming and experienced in the deployment of scalable cloud-based applications. Ready to contribute technical expertise to a team focused on innovation.

## EXPERIENCE

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### MLOps Engineer

January 2024 - Present

Data Innovations Inc.

San Francisco, CA

As an MLOps Engineer, implemented and managed CI/CD pipelines for machine learning models. Collaborated closely with data scientists, optimizing model performance while troubleshooting production issues. Ensured reliable deployment processes that enhanced scalability for ML applications. Designed infrastructure leveraging AWS cloud services, supporting effective machine learning operations.

- Streamlined ML model deployment through automated CI/CD pipelines, enhancing efficiency.
- Collaborated with data scientists to maintain optimal performance and quickly resolve issues.
- Implemented scalable cloud solutions using AWS, ensuring seamless machine learning operations.
- Conducted performance monitoring of models, adapting strategies for improvements.

### Software Engineer

June 2022 - December 2023

TechWave Solutions

Austin, TX

Worked as a Software Engineer focusing on data processing and optimization for various machine learning models. Contributed significantly to integrating machine learning into existing systems, enhancing overall application functionality. Utilized advanced monitoring tools for quality assurance and ensured high operational standards.

- Designed and developed software that optimized data processing tasks in machine learning.
- Monitored model performance through sophisticated logging and tracking systems.
- Integrated ML applications into existing platforms with cross-functional teams effectively.
- Enhanced application quality through rigorous testing and validation procedures.

### Junior DevOps Engineer

March 2021 - May 2022

CloudOps Technologies

Seattle, WA

Gained foundational experience in automating deployment processes for cloud applications. Supported design and implementation of CI/CD pipelines, contributing to robust delivery and integration workflows. Worked alongside senior engineers to maintain cloud infrastructure integrity and security.

- Assisted in deploying automated solutions that streamlined cloud-based applications.
- Contributed to the development of CI/CD pipelines, ensuring faster release cycles.
- Collaboration with senior engineers improved infrastructure maintenance processes.
- Facilitated troubleshooting efforts on cloud services, enhancing system reliability.

## LEADERSHIP & AWARDS

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- AWS Certified Solutions Architect – Associate, 2023
- Certified Kubernetes Administrator (CKA), 2022

## EDUCATION

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### Bachelor's Degree in Computer Science

2020

University of Colorado Boulder GPA: 3.8

Boulder, CO

*Coursework: Machine Learning, Data Structures, Algorithms, Software Engineering*

## CERTIFICATIONS

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- Certified Kubernetes Administrator (CKA) 📅 2022
- AWS Certified Solutions Architect – Associate 📅 2023

## TECHNICAL SKILLS

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- **Continuous Integration Tools:** Jenkins, GitLab CI, GitHub Actions

- **Programming Languages:** Python, Bash
- **Cloud Platforms:** AWS, Azure, GCP
- **Containerization Tools:** Docker, Kubernetes
- **Monitoring Tools:** Prometheus, Grafana
- **ML Deployment Strategies:** Model Versioning, Automation
- **Data Processing Frameworks:** Apache Spark, Pandas
- **Development Methodologies:** Agile, Scrum
- **Meta-learning Techniques:** Transfer Learning, Hyperparameter Tuning
- **Data Visualization Tools:** Matplotlib, Seaborn

**SKILLS**

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- Machine Learning Operations (MLOps)
- CI/CD Pipelines
- Python
- Docker
- Kubernetes
- AWS
- Azure
- GCP
- Monitoring and Logging Tools
- Software Development
- Tool Integration
- Version Control Systems
- Containerization
- Scripting Languages

**PROFESSIONAL AFFILIATIONS**

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- Member of the Association for Computing Machinery (ACM)
- Active participant in local tech meetups and workshops

**LANGUAGES**

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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

**REFERENCES**

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AVAILABLE ON REQUEST