

# King Mcdaniel

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## SUMMARY

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Results-driven MLOps Engineer possessing over 5 years of experience enhancing machine learning asset lifecycle management through optimized infrastructure and scalable systems. Demonstrated proficiency in Python paired with substantial practical experiences in AWS serverless architectures and diverse MLOps tools means a solid foundation for developing CI/CD pipelines. A consistent track record shows success in deploying machine learning models efficiently and reducing downtime by refining processes. Collaborative skills shine while working alongside cross-functional teams, continuously sharing knowledge to elevate best practices within the engineering community.

## EXPERIENCE

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### Senior MLOps Engineer

January 2022 - Present

Cloud Innovations Inc.

*Austin, TX*

As a Senior MLOps Engineer, led initiatives that created scalable ML systems within AWS environments. Continuously improved CI/CD pipelines, contributing significantly to deployment efficiency. This position focuses on collaboration with various teams, ensuring robust model serving infrastructures are established. Mentorship roles foster development competencies among junior engineers, promoting industry-standard practices.

- Lead development efforts for AWS-centric ML systems, targeting enhanced functionality.
- Spearhead enhancements to existing CI/CD processes, boosting efficiencies considerably.
- Collaborate actively with multi-disciplinary teams for optimal serving infrastructure.
- Mentor emerging engineers, empowering skill growth with modern MLOps methodologies.

### MLOps Engineer

June 2019 - December 2021

Data Solutions Corp.

*San Francisco, CA*

Focused on leveraging AWS serverless capabilities for building and maintaining highly-scalable applications tailored for machine learning. Improved the overall ML lifecycle management process with concrete enhancements that dramatically reduced model downtime on deployment. Engaged heavily in documentation tasks and process workflows to support future projects.

- Architected and maintained AWS-related services crucial for ML application functionalities.
- Implemented targeted improvements in asset lifecycle management, yielding significant downtimes variations.
- Produced thorough documentation detailing CI/CD workflows for reference and training purposes.
- Participated actively in regular retrospectives to assess workflow effectiveness.

### Software Engineer

March 2016 - May 2019

Tech Innovations Group

*Los Angeles, CA*

Contributed exceptional software engineering skills towards the design and implementation of effective machine learning solutions. Partnered closely with data science teams, ensuring smooth transitions from models to production setting. Constant involvement in code reviews fortified product quality, underscoring commitment to excellence within software deliverables.

- Led design segments regarding scalable solutions for ML endeavors that integrated into wider platforms.
- Fostered collaboration with data scientists during the model production phase, enhancing accuracy.
- Engaged in ongoing evaluations through code review cycles to maintain standards.
- Assured high-quality deployment scripts functioned seamlessly across client infrastructures.

## LEADERSHIP & AWARDS

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- Recognized as 'Best Innovator' by company executives for pipeline optimization contributions.
- Achieved 'Employee of the Quarter' for the third quarter due to collaborative team success.

## EDUCATION

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### Bachelor's Degree in Computer Science

2016

University of Colorado Boulder GPA: 3.8

*Boulder, CO*

**Coursework:** *Data Structures, Machine Learning, Cloud Computing, Software Engineering*

## CERTIFICATIONS

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- AWS Certified Solutions Architect 📅 2020
- Certified Kubernetes Administrator 📅 2021

## TECHNICAL SKILLS

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- **Programming Languages:** Python, Java, SQL
- **Main Cloud Platforms:** AWS, Microsoft Azure, Google Cloud
- **Continuous Integration Tools:** Jenkins, GitLab, CircleCI
- **Container Orchestration:** Kubernetes, Docker, OpenShift
- **Version Control Systems:** Git, Mercurial
- **Machine Learning Tools:** TensorFlow, Scikit-learn, PyTorch
- **Database Technologies:** MySQL, PostgreSQL, MongoDB
- **Monitoring Tools:** Prometheus, Grafana, New Relic
- **Scripting Languages:** Bash, Perl
- **DevOps Practices:** Infrastructure as Code, Continuous Delivery

## SKILLS

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- Python programming
- AWS serverless architectures
- MLOps tools
- CI/CD pipeline development
- Machine learning lifecycle management

## PROFESSIONAL AFFILIATIONS

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- Member of the Association for Computing Machinery (ACM), networks regularly with industry professionals.
- Volunteered as a mentor for local coding bootcamps, supporting the next generation of developers.

## 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