

# Danna Villegas

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## SUMMARY

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Proven MLOps Automation Senior Lead Engineer with over 10 years in automation engineering. Drove improvements in data-driven projects by crafting innovative solutions. Experienced in leading teams and collaborating widely across functions to meet objectives. Focused on establishing visions and strategies that foster efficiency, I thrive in environments where proactive problem-solving meets technical precision. My hands-on experience spans developing unattended delivery pipelines for various data models, creating automated testing frameworks, and continuously monitoring model performance to mitigate issues swiftly. Eager to contribute expertise at Innovative Tech Solutions.

## EXPERIENCE

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### MLOps Automation Lead

January 2020 - Present

Tech Innovations Group

*Dallas, TX*

Lead development and deployment of MLOps automation solutions for high-stakes projects. Identify barriers within the analytics lifecycle and develop meaningful automation strategies to enhance overall productivity. Collaborate extensively with cross-functional teams for optimizing build and release processes.

- Spearhead implementation of MLOps automation solutions tailored for critical projects.
- Engage with diverse teams to improve integration across build and release processes.
- Create comprehensive automated testing frameworks ensuring quality management.
- Focus on performance monitoring and swift troubleshooting of models post-deployment.

### Senior Automation Engineer

March 2015 - December 2019

Data Solutions Inc.

*Austin, TX*

Oversaw a team dedicated to creating automated solutions for client projects focusing on data processing efficiencies. Designed critical CI/CD pipelines facilitating the deployment of multiple software products while fostering collaborations between product and testing teams.

- Led engineering team in the development of automation solutions addressing complex client needs.
- Designed and executed CI/CD pipelines augmenting the speed of software deployments.
- Collaboratively identified opportunities for improved workflows through increased automation.
- Monitored project outcomes to ensure alignment with goals and optimization of operations.

### Automation Engineer

June 2012 - February 2015

NextGen Analytics

*New York, NY*

Created scripts aimed at enhancing analytics processes, working closely with cross-functional collaborators to tackle production challenges effectively. Developed feedback mechanisms ensuring ongoing performance evaluations benefiting system adjustments.

- Developed proactive automation scripts improving data management tasks.
- Collaborated collaboratively with teams resolving substantial production issue.
- Implemented consistent feedback cycles ensuring optimal operation of automated systems.
- Documented frontline experiences aiding stakeholder understanding of automation enhancements.

## LEADERSHIP & AWARDS

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- Employee of the Year at Tech Innovations Group - Recognized for outstanding leadership and impactful automation implementations in 2021.
- Best Automation Initiative Award at Data Solutions Inc. - Honored for designing unique CI/CD pipelines in 2017.

## EDUCATION

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### Bachelor's Degree in Computer Science

2012

University of Illinois GPA: 3.5

*Champaign, IL*

**Coursework:** Data Structures, Algorithms, Database Management, Software Engineering

## CERTIFICATIONS

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- Certified Kubernetes Administrator (CKA) 📅 2021
- AWS Certified Solutions Architect 📅 2020

## TECHNICAL SKILLS

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- **Coding Languages:** JavaScript, C++, Python
- **Continuous Integration Tools:** Jenkins, Docker

- **Development Methodologies:** Agile, Waterfall
- **Automation Tools:** Ansible, Terraform
- **Cloud Services:** AWS, GCP, Azure
- **Monitoring Tools:** Prometheus, Grafana
- **Database Technologies:** MySQL, MongoDB, PostgreSQL
- **Version Control Systems:** Git, Bitbucket
- **Messaging Platforms:** RabbitMQ, Kafka
- **Testing Frameworks:** JUnit, Selenium

**SKILLS**

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- MLOps
- Automation Engineering
- CI/CD
- Python
- JavaScript
- Docker
- Jenkins
- DataOps
- ModelOps
- Agile Development
- Performance Tuning
- Troubleshooting
- Test Automation
- Collaboration Tools
- Version Control

**PROFESSIONAL AFFILIATIONS**

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- Member of the Association for Computing Machinery, contributing to discussions around innovative tech solutions.
- Active participant in local hackathons, bringing fresh ideas into process automation advancements.

**LANGUAGES**

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- English (Native)
- Spanish (Proficient)

**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