

Aldo Roman Rodriguez Ruiz

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Back-End and DevOps Engineer, with experience in designing robust RESTful APIs and building scalable and automated infrastructure solutions. At CodeNation Studio, I led improvements in software quality through the implementation of CI/CD pipelines, containerized deployments with Docker, and automated test workflows triggered from pull requests in GitHub. My experience ranges from developing data-driven back-end applications with Python and Django, to optimizing ETL processes with Airflow and improving cloud deployments using AWS services. I enjoy focusing on continuous improvement.

Work history summary

DevOps Engineer
CodeNation Studio

Dec 2024 - March 2025

- Developed and maintained CI/CD pipelines using Jenkins, enabling automated builds, tests, and deployments.
- Leveraged Docker for containerizing applications and managing consistent production deployments using proxy rules.
- Automated deployment processes by integrating Docker containers with custom proxy configurations to streamline release workflows.
- Created automated workflows in GitHub triggered by pull requests to run test cases on submitted code and return feedback to developers.
- Automated test cases and workflows to ensure code quality and reduce manual intervention in the development cycle.
- Worked extensively with AWS services including EC2, S3, Lambda, API Gateway, RDS, and IAM to build scalable, cloud-native solutions.
- Improved team productivity by automating repetitive tasks and implementing infrastructure-as-code strategies.
- Designed and maintained background jobs for scheduled tasks using tools like Celery and Airflow.

Back-End Developer
CodeNation Studio

Nov 2023 - April 2025

- Designed and developed robust back-end applications and RESTful APIs using Python and Django Rest Framework.
- Integrated APIs with front-end systems and third-party services to deliver seamless user experiences.
- Enhanced database performance and query optimization for large-scale data operations.
- Implemented role-based access control and authentication mechanisms to secure API endpoints.
- Conducted comprehensive testing using Postman and wrote detailed technical documentation for all services.
- Participated in code reviews, sprint planning, retrospectives, and collaborated with cross-functional teams under Scrum methodology.

Software Developer
Nuclea Solutions

July 2023 - June 2024

- Designed and developed the autonomous behavior of a drone by implementing decision-making logic based on predefined instructions.
- Integrated the ChatGPT API to process images captured by the drone, optimizing data analysis and visual classification.
- Automated drone tasks such as navigation routes and obstacle response through the development of customized scripts.
- Managed collaborative workflows using Git and GitHub, ensuring version control and team coordination.

Full-stack Developer
Instituto Superior De Jalisco

March 2023 - June 2023

- Designed and developed back-end components to support institutional applications.
- Implemented APIs and services to facilitate data integration and management.
- Assisted in debugging and optimizing existing systems to improve performance and reliability.
- Collaborated with cross-functional teams to ensure seamless integration of back-end solutions with front-end systems.
- Utilized Git for version control and managed workflows to ensure smooth collaboration.
- Participated in the documentation of system architecture and development processes.

FORMATION

Instituto Tecnológico Superior De Jalisco
Bachelor's Degree in Computer Systems Engineering

January 2020 – May 2024

Skills

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|-------------------------------------|--|---------------|
| ○ Proficient in restful apis | ○ Experience with continuous integration | ○ Jenkins |
| ○ Experience with API documentation | ○ Django | ○ Postman |
| ○ HTML | ○ Python | ○ Github- Git |
| ○ Linux | ○ Scripting | ○ Docker |
| ○ debugging skills | ○ Airflow | ○ Aws |