

# FABIAN MADRIZ

## CLOUD & DEVOPS-ORIENTED SOFTWARE ENGINEER

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### PROFESSIONAL SUMMARY

Computer Systems Engineer with a strong background in software development and a growing specialization in Cloud Computing and DevOps practices. Experienced in application deployment, CI/CD automation, and Linux-based environments, with hands-on exposure to AWS infrastructure, Terraform (Infrastructure as Code), Docker containerization, and Kubernetes orchestration. Brings a solid understanding of scalable system design, production reliability, and backend architecture. Currently expanding cloud engineering expertise through real-world freelance infrastructure collaboration. Seeking junior to mid-level Cloud or DevOps engineering opportunities.

### TECHNICAL SKILLS

- **Cloud & Infrastructure:** AWS (EC2, S3, IAM, VPC, Security Groups), Terraform (Infrastructure as Code – foundational), Kubernetes (deployments, services, container orchestration fundamentals), Docker (containerization and image management), Linux (server configuration, CLI operations, permissions).
- **DevOps & Automation:** CI/CD pipelines (GitHub Actions), Git version control, bash scripting fundamentals, application deployment workflows
- **Programming & Backend:** ASP.NET Core, Node.js, RESTful API design, JavaScript.
- **Databases:** SQL Server, MySQL, MongoDB.

### WORK EXPERIENCE

#### Cloud & Infrastructure Engineer

Freelance | Jan 2026 - Present | San José Costa Rica

- Assisted in provisioning AWS infrastructure using Terraform, including EC2 instances, IAM roles, VPC configurations, and security groups.
- Participated in containerizing applications using Docker and deploying workloads to Kubernetes clusters.
- Supported CI/CD pipeline implementation to automate build and deployment workflows.
- Worked within Linux-based cloud environments to configure and manage application servers.
- Gained practical exposure to networking concepts such as subnets, routing tables, and access control policies.

#### Web Developer – Customer Support Platform

Soporte Completo S.A | Set 2023 - Aug 2024 | San José Costa Rica.

- Led the architecture, development, and deployment of a production web platform supporting operational business processes.
- Designed backend systems using ASP.NET and SQL Server with emphasis on maintainability and scalability.
- Established structured CI/CD workflows to improve release consistency and deployment reliability.
- Collaborated cross-functionally to translate business requirements into structured technical solutions.
- Promoted organized development practices within an Agile framework.

#### Key Achievements

- Delivered a scalable production platform while introducing structured deployment and backend optimization practices that improved operational stability.

#### Web Developer – E-commerce Integration

Freelance | Jan 2024 - Apr 2024 | San José Costa Rica

- Developed secure web applications and integrated third-party APIs for transactional workflows.
- Designed structured database schemas and implemented testing practices to ensure production reliability.
- Managed full lifecycle delivery from requirement analysis to deployment and support.

#### Key Achievements

- Successfully delivered end-to-end integration solutions aligned with maintainability and production-readiness standards.

## **Web Developer – Hospitality Web Portal**

Ronald McDonald's House of Charities Costa Rica | Apr 2024 - Jul 2024 | San José Costa Rica

- Designed and implemented a centralized digital platform to support internal operations and data management.
- Structured role-based access control mechanisms for secure information handling.
- Led data migration into a consolidated SQL Server environment.

### **Key Achievements**

- Architected a structured and secure system that improved internal digital workflow organization.

## **EDUCATION**

### **Bachelor's Degree in Computer Systems Engineering**

Fidelitas University | 2020 - 2024

#### **Relevante Cousework:**

- Web Development, Data Structures & Algorithms, Software Design Patterns, Database Management, Quality Assurance, Computer Networks, DevOps Practices, Cloud Computing

## **CERTIFICATES**

### **Data Science | Oct 2024 - Jan 2025**

Smart Data

- Comprehensive training in Python programming, ETL processes, data visualization (Matplotlib, Seaborn), statistical analysis, and machine learning fundamentals.
- Hands-on projects involving data cleaning, exploratory data analysis, and predictive modeling.

## **KEY COMPETENCES**

- Structured problem-solving and analytical thinking
- Cross-functional communication
- Adaptability in evolving technical environments
- Strong ownership mindset
- Continuous professional development

## **SOFT SKILLS**

- Analytical thinking.
- Attention to details.
- Fast learner.
- Team collaboration.
- Constant communication.

## **LANGUAGES**

- **Spanish:** Native.
- **English:** Professional Working Proficiency (B1).