DevOps Engineer

Roberto C Vazquez

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Portfolio: <https://www.rcvb.info/>

# Professional Summary

DevOps Engineer with a B.Sc. in Computer Science and three years of experience managing web and network environments on Linux. Passionate about automating deployments on AWS using Terraform, Ansible, Kubernetes, and Jenkins, aiming to optimize processes and ensure high availability.

# Technical Skills

* **Infrastructure as Code:** Terraform, Ansible, Vagrant, AWS CloudFormation.
* **Cloud & Automation:** AWS (EC2, ELB, S3, IAM, VPC, RDS), AWS CLI, Jenkins, GitHub Actions.
* **Containers & Orchestration:** Docker, Kubernetes.
* **Monitoring & Logging:** CloudWatch, Prometheus.
* **Operating Systems & Networking:** Linux (Ubuntu, Amazon Linux), Bash, SSH, DNS/DHCP, systemd.
* **Programming & Tools:** Java, Python, SQL, YAML, JSON, HTML/CSS, Visual Studio Code, Postman.
* **AI & Productivity:** ChatGPT, GitHub Copilot, Notion AI.

# Certifications

**AWS Certified Cloud Practitioner**, May 2025

* Validates understanding of foundational AWS concepts, including core services (EC2, S3, RDS), billing models, and architectural best practices.
* Demonstrates ability to identify business value and security considerations in the cloud, and to communicate effectively with both technical and non-technical stakeholders.

# Professional Experience

**Cloud & DevOps Engineer ,** Home-Lab, 2025 - Present

* **Re-architected a monolithic web application** onto AWS Elastic Beanstalk (with RDS, ElastiCache and Amazon MQ), boosting auto-scaling capacity by 3× and cutting deployment time from **30 min to 5 min**.
* Designed and implemented a Jenkins **CI/CD** pipeline integrated with GitHub, Maven, SonarQube and Nexus to automate code compilation, testing, static analysis and artifact delivery.
* Developed **Terraform** modules for EC2, security groups, AMIs and key pairs, slashing infrastructure provisioning time from **40 min to under 10 min** and enabling 90% reuse across environments.
* Configured **Route 53 DNS**, CloudFront CDN, and SSL for secure global delivery.
* Deployed **Prometheus and Grafana** to monitor 15+ services, cutting incident detection and response time by 30% through real-time alerting.
* Automated environment setup with **Docker** and Bash scripts, reducing manual configuration errors.
* Documented all projects with diagrams and automated scripts; shared through **personal portfolio** at<https://rcvb.info>.

**Web Administrator & Network Support,** University of Camagüey “Ignacio Agramonte Loynaz”, 2019 - 2022

* Managed five institutional websites, achieving **99.9% uptime**.
* Collaborated with the network team to improve network efficiency, resulting in a significant **reduction in downtime**.
* Implemented remote desktop access (xrdp + VPN) during the COVID-19 pandemic, enabling **secure remote** work.
* Administered the virtual system for the university’s 2020 Tech Convention, ensuring smooth participation for over 20 national and international attendees.
* Provided technical support, **resolving 200+** incidents related to email, connectivity, and internal services.

# Education

**Bachelor’s Degree in Computer Science,** Universidad Central “Marta Abreu” de Las Villas – Santa Clara, 2014 - 2019

* Thesis**:** Moodle block for recognizing students’ facial emotions.
  + Developed a custom Moodle plugin in PHP to detect and classify facial emotions (joy, sadness, anger, etc.) using a REST API and a custom emotion recognition library.
  + Integrated real-time emotional feedback into course interactions, allowing professors to adapt content based on student engagement.
  + Applied facial recognition techniques and aligned development with Moodle’s coding standards to ensure modularity and maintainability.

# Languages Spoken

* English: Professional proficiency.
* Spanish: Native.