

## Jairon Beriguete | Software Engineer

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### About Me

Motivated and hands-on Software Engineer with a strong background in Python, JavaScript, Docker, and CI/CD pipelines. Experienced in hybrid environments, DevOps, and cloud-native applications. Proven ability to contribute across the software development lifecycle, from design to deployment. I have earned certifications in software development and data analysis. I have also worked on projects that allowed me to apply my knowledge to create practical solutions. I am passionate about technology and eager to continue learning and contributing to a team as I grow in my software development career.

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### Education

- **2025: AWS**, Cloud Partitioner.
  - **2025: IBM**, Software Engineering and DevOps.
  - **2025: Bergen Community College**, A.S Cybersecurity.
  - **2025: CompTIA** A+
  - **2024: Google**, Data Analytics Certification.
  - **2024: University of Michigan**, C Programming.
  - **2024: IBM**, AI Development Certification.
  - **2019 - 2024: UCATEBA**, Degree in Software Engineering.
  - **2021: Udemy, Python Bootcamp**, in Software Engineering.
  - **2018: LICATEBA: A.S** in Information Technology.
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### Technical Skills

- **Programming Languages:** Python, R, SQL, Java, C, C#, JavaScript, HTML5, Shell.
  - **Software & Tools:** Docker, Kubernetes, Ansible, GitHub, AWS, Terraform, BigQuery, Microsoft SQL Server, VS Code, Visual Studio, Git, .NET Framework, RStudio, Jupyter
  - **Data Analysis:** Data Cleaning, Data Visualization, Statistical Analysis, Data Manipulation
  - **Tools:** Excel, Google Sheets, Tableau, Power BI, R
  - **Operating Systems:** Windows, Linux, MacO
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### Professional Experience

#### Software Engineer | DevOps

**Upwork** – 2024 to Present.

- Designed, deployed, and maintained microservices architecture using Flask, RabbitMQ, MongoDB, and MySQL across containerized environments.
- Built and optimized Docker images and multi-service Docker Compose setups; deployed and scaled workloads on Kubernetes (Minikube + production-ready configs).
- Implemented Infrastructure-as-Code (IaC) using Terraform to provision cloud resources, VPCs, subnets, security groups, and EC2 instances.
- Managed AWS services including EC2, S3, ECR.
- Designed secure authentication flows using JWT and maintained API gateway routing for backend microservices.
- Configured RabbitMQ for asynchronous communication and optimized message queue interactions between services.
- Developed backend logic for video upload, GridFS storage, video-to-MP3 conversion, and file download functionality.
- Implemented CI/CD pipelines with GitHub Actions to automate builds, tests, container pushes, and Kubernetes deployments.
- Created monitoring dashboards using Prometheus and Grafana to track API performance, system metrics, and cluster health.
- Conducted performance testing and resource tuning for containerized workloads, improving reliability and scalability.
- Managed schema updates, database interactions, and migrations for both MySQL and MongoDB in microservice environments.
- Documented cloud infrastructure, deployment processes, and service dependencies to support DevOps best practices.

#### Field Computer Engineer

**Worldwide Tech Service** – 2023 to 2024

- Installed, configured, and maintained computer hardware, software, and networks at various client sites.
- Performed troubleshooting and repairs on a wide range of IT equipment, including desktops, laptops, and peripherals.

- Provided technical support and guidance to clients, ensuring minimal downtime and optimal system performance.
- Conducted routine maintenance, system updates, and managed software installations to keep systems up-to-date.
- Collaborated with clients to assess their IT needs and recommended appropriate hardware and software solutions.

#### **Data Center | QC Test and Repair - 2022 to 2023**

ZT Systems and TekSystems - Secaucus, NJ

- Performed functional testing, diagnostics, and validation on enterprise server hardware before deployment.
- Conducted inspections and troubleshooting on CPUs, DIMMs, SSDs/HDDs, NICs, power supplies, and system boards.
- Executed BIOS/firmware updates, system configuration, and hardware initialization tests according to ZT Systems procedures.
- Ran burn-in tests, thermal tests, and performance checks to verify server stability under load.
- Used manufacturing test tools (BMC/IPMI, Redfish, iDRAC/ILO equivalents) to validate system health and sensor data.
- Diagnosed and resolved hardware failures by analyzing system logs, POST codes, and diagnostic LEDs.
- Installed OS images or test suites (Linux/Windows) to complete functional validation workflows.
- Collaborated with engineering and QA teams to escalate defects, document issues, and verify corrective actions.
- Followed strict ESD, safety, and quality control standards when handling and assembling server components.
- Performed root-cause analysis on failed units and prepared test reports for production and engineering teams.
- Ensured servers met build specifications, customer requirements, and production quality metrics before shipping.

#### **IT Technician 2019 -2021**

UCATEBA - Barahona, Dominican Republic

- IT Support, System Maintenance, Network Monitoring
- Providing technical support for network issues, assisting with software implementation, and performing data backups.

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#### **Languages**

- English
- Spanish

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#### **Contact Information**

- **LinkedIn Profile:** <https://www.linkedin.com/in/jairon-beriguete/>
- **Portfolio Website:** [jaironberiguete.dev](http://jaironberiguete.dev)