

Jairon Beriguete | Software Engineer & DevOps

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About Me

Hands-on Software Engineer and DevOps practitioner with extensive experience in Python, JavaScript, Docker, Kubernetes, CI/CD pipelines, and cloud-native applications. Skilled in designing, deploying, and maintaining microservices architectures, I thrive in hybrid and cloud environments. Passionate about building scalable, efficient solutions and continuously learning emerging technologies to deliver impactful results.

Technical Skills

- **Programming & Scripting:** Python, JavaScript, Java, C, C#, SQL, R, Shell, HTML5
 - **DevOps & Cloud:** Docker, Kubernetes, Terraform, Ansible, AWS (EC2, S3, ECR), GitHub Actions
 - **Databases:** MySQL, MongoDB, BigQuery, Microsoft SQL Server
 - **Data & Analytics:** Data Cleaning, Visualization, Statistical Analysis, Tableau, Power BI, Excel, Google Sheets
 - **Tools & IDEs:** VS Code, Visual Studio, Jupyter, RStudio, .NET Framework
 - **Operating Systems:** Windows, Linux, macOS
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Professional Experience

Software Engineer | DevOps

Upwork – 2024 to Present.

- Designed and maintained microservices architecture using Flask, RabbitMQ, MongoDB, and MySQL in containerized environments.
- Built and optimized Docker images, multi-service Docker Compose setups, and deployed workloads on Kubernetes (Minikube + production-ready configs).
- Implemented Infrastructure-as-Code with Terraform to provision cloud resources (VPCs, subnets, EC2 instances).
- Managed AWS services (EC2, S3, ECR) and configured secure JWT authentication flows and API gateway routing.
- Developed backend logic for video upload, GridFS storage, video-to-MP3 conversion, and file download functionality.
- Set up CI/CD pipelines with GitHub Actions to automate builds, tests, container pushes, and Kubernetes deployments.
- Monitored system performance using Prometheus and Grafana, conducting tuning to improve reliability and scalability.

Field Computer Engineer

Worldwide Tech Service – 2023 to 2024

- Installed, configured, and maintained computer hardware, software, and networks for various clients.
- Diagnosed and repaired desktops, laptops, printers, and peripherals, ensuring minimal downtime.
- Configured Windows and Linux workstations, including network setup, domain joining, and security patching.
- Assisted with software deployment, updates, and troubleshooting for client applications.
- Provided remote and on-site technical support for hardware and network issues.
- Performed backup, data recovery, and system restoration procedures to protect client data.
- Collaborated with clients to recommend hardware/software upgrades and optimize IT infrastructure.
- Documented maintenance procedures, client environments, and support activities for internal records.

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.
- Executed BIOS/firmware updates, thermal/burn-in tests, and stress tests to ensure server stability.
- Inspected and tested CPUs, DIMMs, SSDs/HDDs, NICs, power supplies, and system boards.
- Diagnosed and resolved hardware failures using system logs, POST codes, and diagnostic LEDs.
- Installed and configured operating systems (Windows/Linux) and test suites for functional validation.

- Managed hardware inventory, prepared units for deployment, and verified compliance with specifications.
- Collaborated with engineering and QA teams to escalate defects, document issues, and verify corrective actions.
- Ensured ESD, safety, and quality control protocols were strictly followed during assembly and testing.
- Conducted root-cause analysis for failed units and prepared detailed reports for production and engineering teams.

IT Technician 2019 -2021

UCATEBA - Barahona, Dominican Republic

- Provided technical support, network monitoring, software implementation, and data backups.
 - Assisted in configuring routers, switches, and local networks for classrooms and labs.
 - Maintained IT inventory and assisted in planning hardware/software upgrades.
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Education & Certifications

- **AWS Cloud Practitioner** – 2025
 - **IBM Software Engineering & DevOps Certification** – 2025
 - **A.S Computer Science**, Bergen Community College – 2026
 - **CompTIA A+ Certification** – 2025
 - **Google Data Analytics Certificate** – 2024
 - **C Programming**, University of Michigan – 2024
 - **IBM AI Development Certificate** – 2024
 - **Python Bootcamp**, Udemy – 2021
 - **A.S Information Technology**, LICATEBA – 2018
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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