

Vanessa Alejandra Vargas Arteaga

Senior DevOps Engineer

Cochabamba, BO

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Technical Skills

Strong: •AWS Networking •AWS Serverless Infrastructures •Jenkins •GitLab CI •Scripting (Powershell | Bash) •CI/CD •Nginx •Terraform •Serverless Framework •AWS SAM •Monitoring (CloudWatch) •Windows | DSC •Packer

Experienced: •Azure DevOps | Bicep •Kubernetes | Docker •Octopus Deploy •Version Control (Git | Github) •Automating Building Tools (Maven | Gradle) •Automation Frameworks (Cucumber | Jasmine | Mocha) •Project Management (Jira| Azure DevOps) •Programming (TypeScript | Java | Ruby | Python | Angular) •Databases (MSSQL | DynamoDB | Firebase) •Monitoring (Grafana | ELK | New Relic)

DevOps Experience

Senior DevOps Engineer | [Jalasoft](#)

Cochabamba, BO [remote] 2022 - Current

Junior DevOps Engineer | [Jalasoft](#)

Cochabamba, BO [remote] 2018 - 2021

- Architected and deployed CI/CD pipelines across Jenkins, Octopus Deploy, Azure Pipelines, GitLab and AWS CodePipeline, reducing deployment time and enabling daily releases.
- Built Docker-based CI/CD pipelines in GitLab CI, automating build, test, and push workflows for Java containerized applications.
- Engineered cloud infrastructures using Terraform, Serverless Framework, and AWS SAM, provisioning and maintaining hundreds of AWS resources across development, staging, and production environments across multiple AWS accounts with multi-tier VPC architecture, VPC peering, private subnets, NAT gateways, and least-privilege security group policies.
- Provisioned and maintained CloudFront distributions as code using Terraform, implementing secure origins, caching policies and origin failover.
- Deployed and managed serverless applications using AWS SAM with automated CI/CD pipelines, integrating Lambda functions with API Gateway endpoints, DynamoDB tables, and EventBridge events.
- Automated repetitive operational tasks using PowerShell, Bash, and Python scripts, eliminating hours of manual work and reducing human error.
- Implemented Packer and AWS Image Builder pipelines with automated distribution, decreasing manual image management.
- Facilitated cross-team synergy between R&D, QA and Security to troubleshoot and resolve high-priority technical hurdles.
- Optimized Nginx server performance by implementing configuration updates, managing version upgrades across many production servers, and compiling third-party modules.
- Drove AWS cost optimization initiatives through quarterly infrastructure reviews, identifying and implementing cost-saving measures that reduced monthly cloud spend while maintaining security compliance standards.

Junior QA Engineer | [Jalasoft](#)

Cochabamba, BO 2016 - 2017

- Developed a comprehensive test automation suite using a Ruby-based internal framework, implementing unit and acceptance tests that increased code coverage and reduced production defects.

Education

[Universidad Mayor de San Simon](#) | Bachelor in Systems Engineering

Cochabamba,BO 2019

- Awarded outstanding academic performance

Certifications

[AWS Certified Solutions Architect – Associate](#) | Amazon Web Services

July 2025

Languages

English C1

June 2024