

Alan Vasquez

Argentina, Buenos Aires • +54 1121583549 • aovibusiness@gmail.com • linkedin.com/in/alan-vasquez-developer

Senior Software Engineer with 8 years of experience across backend systems, cloud infrastructure and robotics. I build the services and the AWS infrastructure they run on: IoT data pipelines for robot fleets, CI/CD, infrastructure as code, and full cloud migrations. Recent work includes AI agent tooling for automated documentation and client software for Marqeta and Qualcomm

WORK EXPERIENCE

DevDocs

United States • Feb 2026 - Sep 2026

Software and Documentation Engineer • Full-time

- Built an AI agent harness that automated code research and documentation generation.
- Delivered client software and codebase improvements for Marqeta (fintech) and Qualcomm (device software).
- Built internal tools and CI improvements across concurrent product and client tracks.

LucidBots Inc.

United States • Oct 2024 - Feb 2026

Robotics Software Engineer / Cloud Engineer • Full-time

- Designed and implemented end-to-end IoT architecture on AWS for real-time data collection from robot fleets, using MQTT over TLS for low-latency edge-to-cloud communication.
- Enabled remote monitoring, anomaly detection and operational analytics through cloud-based processing.
- Led the complete cloud infrastructure setup and integration for a newly acquired company, replicating environments and maintaining business continuity through the transition.
- Managed AWS services within a \$150K annual budget, balancing reliability and cost efficiency; infrastructure defined with Terraform and Terragrunt.
- Maintained internal tools and high-performance compute environments used for robotics simulation.
- Evaluated AI models for application to robotics workflows; coordinated with the external partner that built the initial platform.

CrimsonLogic Pte Ltd

Panamá • Dec 2021 - Aug 2024

Senior Software Engineer • Full-time

- Shipped critical backend changes that cut product error rates by 30% on data-heavy government and enterprise applications.
- Improved the CI/CD pipeline, reducing code integration time by 20%.
- Led workflow improvements that raised team productivity by 25%.
- Designed and optimized high-performance backend systems in Java and SQL.

Fiverr

Remote • Oct 2018 - Dec 2021

Software Developer • Freelancer

- Built REST APIs, backend systems and CI/CD pipelines for clients across e-commerce, education and health platforms.
- Migrated client applications from DigitalOcean to AWS, improving performance and reducing downtime.
- Implemented authentication, payment integration and CMS systems for production web platforms.

EDUCATION

B.Sc. in Computer Engineering

José Antonio Páez University

Venezuela • Aug 2016 - Dec 2020

PROJECTS

GoldStockCanada.com

Aug 2023 - Present

Code audits, feature redesign and full migration from DigitalOcean to AWS, cutting server downtime by 50%.

Omint.com

Dec 2022 - Mar 2023

Optimized the CI pipeline, reducing integration time by 30%; API integrations and tooling standardization.

Picturecarving.com

Nov 2020 - Sep 2021

Built the image upload and product preview system for an e-commerce platform and optimized server performance.

Litaliano.online

Mar 2020 - Jul 2021

CI/CD, CMS, authentication and payment system for an online learning platform.

SKILLS

- **Cloud & DevOps:** AWS, AWS API Gateway, AWS Athena, AWS CloudFront, AWS CodePipeline, AWS Cognito, AWS EC2, AWS ECR, AWS ECS, AWS Firehose, AWS Identity Center, AWS IoT Core, AWS Kinesis, AWS Lambda, AWS Organizations, AWS RDS, AWS Route 53, AWS S3, Azure DevOps, CI/CD, Docker, GitHub Actions, Terraform, Terragrunt
- **Languages:** Java, JavaScript, Python, TypeScript
- **Backend:** Hibernate, Laravel, microservices, MQTT, NestJS, Node.js, REST APIs, Spring
- **Frontend:** Angular, Electron, Ionic, Next.js, React
- **Databases:** Firebase, MongoDB, MySQL, Neon, Oracle, PostgreSQL, Supabase
- **Testing & Tools:** Bitbucket, Git, GitHub, GitLab, Jest, Selenium