

# Andre Silva

Sr. Platform Engineer

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## Summary

I design, implement and optimize cloud infrastructure and software delivery pipelines to create scalable, secure, and high-velocity solutions that work across engineering teams.

5x AWS-certified Software Engineer and DevOps advocate with 7+ years of experience architecting and managing scalable cloud infrastructure for clients across Europe and the United States, as a specialist in Terraform, Kubernetes, and CI/CD automation. Having started my career outside IT, I bring more than 15 years total experience in remote roles, excelling at end-to-end project ownership, complex troubleshooting, and fostering a culture of technical excellence through mentorship and clear communication.

## Skills

Linux	JavaScript	Kubernetes	Terraform	CI/CD
Bash	TypeScript	GitOps	Pulumi	AWS
Go	Docker	Telemetry	Ansible	GCP

## Experience

### 08/2023 - Present | Lead DevOps Engineer, Particle41 | Remote

Lead DevOps initiatives for diverse clients, architecting and driving the implementation of cloud solutions.

- Integrate DevOps best practices into development processes, improving deployment reliability and speed across multiple projects in 2023-2025.
- Oversee cloud administration for AWS and GCP projects.
- Architect scalable cloud solutions tailored to unique business needs.
- Facilitate seamless workload migrations to public cloud platforms for organizations of various sizes.
- Design and implement serverless and event-driven architectures, accelerating client project delivery.
- Counsel clients on DevOps strategies.
- Guide adoption of Open Source tools, increasing automation and reducing manual intervention.

### 08/2022 - 06/2023 | Software Developer / DevOps Specialist, Planhat | Remote

Key member of the Platform Team, responsible for maintaining and enhancing cloud infrastructure and developer tooling to support business growth.

- Sustained and enhanced GCP infrastructure, improving system reliability and reducing downtime.
- Developed and refined internal tools.
- Implemented backup automation and validation for MongoDB databases using shell scripting and Jenkins on GCP.
- Engineered and maintained CI/CD pipelines using Jenkins, enabling faster and more reliable deployments across the platform.
- Increased observability by implementing distributed tracing for the business main application.
- Collaborated with cross-functional teams to deliver infrastructure improvements on time and within budget.

### 09/2019 - 08/2022 | Software Developer / DevOps Specialist, Particle41 | Remote

Delivered AWS infrastructure solutions and DevOps consulting for multiple clients, driving efficiency and scalability in cloud environments.

- Spearheaded AWS infrastructure design and implementation for 6 different clients in 2019-2022.
- Engineered Kubernetes clusters on AWS EKS with FluxCD and Terraform, implementing fully automated cluster deployment, management and upgrades.
- Engineered CI/CD pipelines using Jenkins, GitLab, and GitHub, AWS CodePipeline, and CircleCI, enabling automated builds and deployments for clients workloads on AWS.
- Executed workload migrations from on-premises to public clouds, completing projects ahead of schedule.
- Developed reusable Terraform modules, streamlining infrastructure provisioning and facilitating infrastructure code re-use.
- Conducted database performance benchmarking to compare PostgreSQL deployments on different platforms, including EKS using EBS and AWS RDS, to select the best solution for clients' projects.
- Implemented monitoring and logging solutions with Grafana, Prometheus, Loki, and AWS CloudWatch, enhancing system observability.

### 09/2018 - 08/2019 | Software Developer / DevOps Fellow, Particle41 | Remote

Developed full-stack serverless applications on AWS, contributing to rapid prototyping and delivery of cloud-native solutions.

- Built serverless applications with Node.js and React on AWS, using Lambda, S3, DynamoDB, API Gateway, CloudFront, and Route53.
- Integrated payment APIs (Stripe, Braintree, PayPal), enabling secure and seamless transactions for client applications.
- Automated deployment processes using AWS CodePipeline, CodeBuild and CodeDeploy, reducing manual intervention and deployment times.
- Collaborated with senior engineers to implement best practices in serverless architecture.
- Containerized legacy applications with Docker and Docker Compose, modernizing deployment processes and improving scalability.