Alexander Vilalta

858-603-4424 | vilalta.alexander@gmail.com | Linkedin

US Citizen at San Diego, California

Education & Certificates

- B.S. in Computer Science from California State San Marcos — Graduating May 2027

Work History

DevOps Intern at CalAmp, CA — *May 2026 to Oct 2026*

- Engineered an automated disaster recovery solution using Terraform and Python to scan AWS and define our infrastructure as code (IaC), ensuring that the company's cloud resources can be spun up in minutes when services go down in a disaster.
- Deployed and orchestrated secure CI/CD pipelines using Jenkins, Puppet, and Docker within a Kubernetes (EKS) environment to deploy production code efficiently with zero downtime.
- Automated IAM security compliance by developing a Bash script to periodically rotate credentials and update active keys across all git repositories (Bitbucket), mitigating the risk of a credential leak compromising our cloud environment.
- Diagnosed complex Linux system and deployment failures by querying aggregated syslog and kernel streams using CloudWatch, minimizing system downtime

Projects

Resume Website

- Created CI/CD pipelines using GitHub Actions, using Python for automated end to end tests, in order to speed up development time and ensure users don’t see a bugged version.
- Deployed all AWS cloud resources using Infrastructure as Code with Terraform, using IAM to allow efficient version rollbacks to protect against any site failures.
- Implemented a unique viewer counter by using a REST API to interface with the DynamoDB database, enabling clear tracking of the website's traction over time.
- Managed cloud infrastructure securely by following principles of least privilege using IAM, avoiding the use of access keys in order to minimize blast radius