

Ivan Chavez

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Tech Stack

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, Github Actions, Jenkins, Terraform, Ansible, Linux

Languages: Python, JavaScript, SQL, C

Experience

KodeKloud Engineer

DevOps Engineer (Simulated Work Environment)

- **Container Orchestration:** Orchestrated containerized applications using Kubernetes and Docker within a production-grade simulated environment.
- **Infrastructure Engineering:** Provisioned Linux systems and established robust CI/CD pipelines for automated deployment.

Mattucci Plumbing | California, US

Data Migration Lead (Contract)

- **Data Migration:** Spearheaded a complex data migration initiative from legacy databases to ServiceFusion CRM utilizing Python and Selenium Webdriver distributed across Azure VMs.
- **Strategic Automation:** Designed and implemented a custom migration strategy, leveraging cloud computing power to minimize downtime and preserve data integrity.
- **Operational Optimization:** Delivered the project successfully, unlocking advanced CRM capabilities and streamlining critical business operations.

Projects

Resume Website | ivnchvz

Personal resume website demonstrating full-stack cloud development skills.

- **Infrastructure as Code (IaC):** Architected Azure resources using Bicep templates, ensuring reproducible and error-free infrastructure deployment.
- **CI/CD Pipeline:** Engineered automated CI/CD workflows via GitHub Actions for both back-end API and front-end static site, establishing continuous delivery.
- **Cloud-Native Development:** Developed a serverless visitor tracking system using JavaScript, Azure Functions, and CosmosDB.
- **Deployment:** Deployed as a dockerized static site using Azure Storage, focusing on clarity, accessibility, and aesthetics.

Travelet | [demo](#)

Mobile application for organizing travel documents and customs declarations.

- **Mobile Development:** Built a cross-platform app using React Native and Expo with a gesture-driven vertical carousel.
- **UX/UI Design:** Implemented scroll-driven animations and a material design system for a premium feel.
- **Data Persistence:** Integrated secure local storage for offline access to document metadata and travel declarations.

ISS Tracker | [iss](#)

Real-time International Space Station tracking application with automated CI/CD.

- **DevOps:** Engineered a complete CI/CD pipeline using Jenkins, Docker, Terraform, and Ansible.
- **Full-Stack Development:** Built a Flask backend for real-time telemetry and a Next.js frontend with 3D globe visualization.
- **Infrastructure as Code:** Leveraged Terraform and Ansible for reproducible provisioning and configuration management.

Education

Nucamp Coding Bootcamp | California - DevOps with Python (Graduated with honors)

Linköping University / University of Helsinki - Full Stack Open (Currently Enrolled)

Harvard University (CS50) - Computer Science

Ecole d'Architecture de Paris-Belleville - Architecture

CBTis 122 - Bachelor of Technology: Mechatronics