

# 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