Ivan Chavez

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SKILLS

- **Cloud**: Azure, Terraform, Amazon Web Services **DevOps**: Docker, Kubernetes, Jenkins, Ansible, Git
- **Programming**: Python, JavaScript, Flask, NextJS **Certifications**: Certified Kubernetes Administrator (CKA)

EXPERIENCE

Mattucci Plumbing, California
Data Migration | Oct 2023, Dec 2023

- Led migration of 129,000 compressed files (21 GB) across 8,000 invoices to ServiceFusion CRM using Selenium and Python, completing two projects 15-20% ahead of schedule by leveraging an Azure VM for 24/7 processing in the second job, handling ~42 GB uncompressed data
- Automated invoice upload process with a custom script, cutting per-invoice upload time by 66% compared to manual methods, saving over 267 hours across 8,000 invoices
- Developed a robust automation script managing Chrome instances, file uploads, error detection, and email notifications, reducing manual intervention by 80% and ensuring 100% data consistency

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PROJECTS

ISS Tracker | iss.ivnchvz.com

- Engineered a real-time ISS tracker with Flask and NextJS, integrating WTIA API to process 80,000+ daily coordinate updates for interactive globe visualization
- Implemented Jenkins CI/CD pipeline, cutting build and deployment time by 93% (from 1.5 hours to 6.5 minutes) with secure credential management and unique SSH keys, enabling 5-10 weekly releases
- Provisioned 3 AWS resources (EC2, security group, Route53) with Terraform, reducing setup time by 83% (from 30 to 5 minutes), and configured environments with Ansible for consistent deployments
- Containerized frontend and backend with Docker, pushing images to Docker Hub and deploying via Docker Compose on a production-grade server, ensuring 100% environment consistency
- Applied Kanban methodology to manage 41 features and bugs across 82 commits, streamlining task completion by 15% through transparent workflow tracking

Resume Website | ivnchvz.com

- Developed a dockerized static resume website using HTML and CSS on Azure Storage, achieving a 212 ms load time and maintaining 99.9% uptime over 6 months
- Implemented a visitor counter with JavaScript, Azure Function API, and CosmosDB, logging 393 visits and capturing detailed analytics (e.g., session duration, page views) for performance insights
- Engineered Bicep templates to provision 6 cloud resources (e.g., storage, app service, CosmosDB), eliminating configuration errors (from 2 to 0 per deployment) and accelerating deployment time by 87% (from 15 to 2 minutes), with secure HTTPS-only traffic and TLS 1.2
- Configured a GitHub Actions CI/CD pipeline, automating infrastructure, static site uploads, and backend updates with secure Azure credential secrets, reducing manual effort by 80% (from 15 to 3 minutes per update) and supporting up to 10+ weekly updates

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EDUCATION

Nucamp Coding Bootcamp: DevOps with Python, California – 2023, Graduated with honors

Architecture, Ecole d'Architecture de Paris-Belleville – 2019

Bachelor of Technology: Mechatronics, CBTis 122 – 2015