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JEREMY HERNANDEZ

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Professional Summary

Passionate and driven technology enthusiast with a strong foundation in cloud computing, software development, and automation. Experienced in designing and implementing scalable solutions across diverse environments using modern cloud technologies, DevOps practices, and data-driven approaches. Adaptable and eager to contribute to innovative projects that drive efficiency, security, and growth.

EMPLOYMENT

RTG Studios NYC, Remote

Software Engineer, January 2023 - Present

• Contribute to building user-friendly web platforms with Python and Flask, helping integrate SQL databases to streamline studio scheduling and artist collaboration, improving session efficiency by 20% at RTG Studios.

• Support infrastructure upgrades using Docker containers and Terraform automation, helping reduce deployment times by 35% to keep music production steady and reliable.

• Partner with creative and tech teams to shape solutions that fit the studio's rhythm, shortening project timelines by 15% with smooth rollouts and hands-on training.

Freelance, Remote

Software Engineer, June 2022 - Present

• Develop full-stack web applications using Python, Flask, and SQL with scalable RESTFUL APIs.

• Automate deployments and infrastructure management using Ansible, Terraform, and Docker; Collaborate with clients to translate business needs into technical solutions, ensuring smooth deployment and handoff.

• Deploy cloud-native solutions on AWS, Azure, and OCI, optimizing performance tools.

Personal Projects

ZenVault | *Python, SQL, Terraform, Ansible, OCI* | Link

• A secure and scalable cloud-based file storage system deployed on Oracle Cloud Free Tier, leveraging Autonomous Transaction Processing 23Ai, VCN, Compute (Ubuntu), Vault, REST API, Object Storage, Terraform, and Python.

• Designed to allow users to securely upload, store, and manage files with seamless access control and role-based permissions.

• Implements end-to-end encryption and database-backed storage, ensuring data integrity, security, and high availability.

ChatBox | *Python, SQL, Javascript, HTML, CSS, OCI* | Link

• Developed a real-time chat application using Django Channels and WebSockets for seamless live messaging.

• Implemented user authentication, dynamic room creation and message persistence with SQLite3.

TECHNICAL SKILLS

Cloud Technologies: Oracle Cloud Infrastructure (OCI), AWS (EC2, DynamoDB, S3, CodePipeline), Terraform, Ansible, Docker

Programming & Automation: Python, SQL, Bash, Git, GitLab CI/CD

Data & AI: Pandas, NumPy, TensorFlow, Scikit-learn, Jupyter Notebook

DevOps & Monitoring: Jenkins, Jira, CloudWatch

Web Technologies: Django, Flask, JavaScript, HTML, CSS

EDUCATION

Lehman College, CUNY, Bronx, New York

Bachelors of Science in Computer Science, August 2018 - January 2023

Relevant Coursework: Artificial Intelligence, Introduction to Networks, Software Engineering, Database, Systems, Operating Systems, Topics in Computer Science.