

Manuel Esparza Guzman

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Skills & Interests

Technical: Java, Python, Go, TypeScript, React, Linux, OCI, AWS, Terraform, Docker, Kubernetes

Language: English, Spanish

Interests: Web, Cloud, Linux, Compilers, MLOps

Experience

Oracle Software Engineer

Guadalajara, Jalisco
July 2022 – Today

- Designed and implemented backend features using Java to support scalable services.
- Debugged and resolved software bugs across backend, frontend, agent, and infrastructure components.
- Translated Figma designs into responsive, production-ready React web applications.
- Implemented new features for a lightweight system agent written in Go.
- Leveraged knowledge of RPM structure and dependencies for debugging and package management.
- Built and maintained internal tooling for infrastructure debugging and analysis.
- Operated, debugged, and enhanced Kubernetes clusters for improved reliability.
- Provisioned and deployed infrastructure as code using Terraform.
- Supported OCI (Oracle Cloud Infrastructure) initiatives and handled operational tasks.
- Wrote and maintained Python test cases to ensure code quality and coverage.
- Optimized and maintained Oracle Database instances for high availability and performance.
- Contributed to and extended the OCI Terraform Provider to support new features.

Insulet Cloud Trainee

Tijuana, Baja California
April 2021 – May 2022

- Designed and implemented cloud-based solutions leveraging AWS services for scalability and resilience.
- Developed AWS Lambda functions in Python to support event-driven architecture.
- Built and deployed ECS services using Java, Vert.x, and ReactiveX for high-performance microservices.

Education

CETYS Universidad
Computer Science. GPA: 9.4
Relevant Coursework: Artificial Intelligence Specialization

Tijuana, BC
June 2022