

Miguel Arévalo

Software Engineer

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Skills

Programming languages: Java, Python, Javascript, (HTML & CSS), SQL.

Frameworks and Tools: Spring Boot, Maven, Git, Postman, Oracle Cloud, Azure, GCP, MySQL, Oracle Database.

Experience

IC1 (Software Developer), Oracle – Zapopan Jalisco, Mexico. Sept 2022 – Sept 2023

- Designed and implemented a command-line interface (CLI) for Oracle Database and Grid Infrastructure Installers for 23ai release, enhancing usability, automation, and accessibility for developers and system administrators.
- Improved the Installer software quality by addressing 250+ bugs across multiple software versions, reducing deployment time and ensuring consistent software stability.
- Refactored Installer legacy code to improve reliability, scalability and maintainability.

IC2 (Member of Technical Staff), Oracle – Zapopan Jalisco, Mexico. Sept 2023 – Present

- Designed and implemented REST APIs and Java-based services to enable cloud operations for EXADB-XS 19c in DBaaS tooling, improving automation for database lifecycle management (provisioning, scaling, patching).
- Developed Java plugins for ASM disk and diskgroup management (create/resize/delete), enhancing DBaaS tooling for EXADB-XS 19c version.
- Optimized Grid Infrastructure cloud workflows by migrating to the new CLI-based approach, improving deployment reliability.
- Reduced multi-node Grid Infrastructure software time deployment by 3x by implementing Java thread-pooled parallel operations.
- Acted as a mentor for new hires, providing guidance on best practices, onboarding processes, and technical problem-solving.

Certifications

Google Cloud Computing Foundations, Google

English TOEFL ITP – B2

Education

ESCOM-IPN – Bachelor of Science in Computer Systems Engineering

Jan 2018 – Jul 2022