EMANUEL PAULO

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JAVA DEVELOPER

I am a dedicated back-end developer with experience in Java As a junior developer at Critical TechWorks, a company within the BMW Group, I am involved in developing advanced software solutions for BMW.

SKILLS

JAVA | SPRING BOOT | SQL | HIBERNATE | MICROSERVICES | REST API | GCD| GIT | NOSQL |JPA| JUNIT|CLOUD

PROFESSIONAL EXPERIENCE

Junior java developer, critical techworks bmw group, LISBON PORTUGAL 04/2024 – Present

- **Back-End API Development with Quarkus**: Developed high-performance APIs using Java and Quarkus, ensuring efficiency and scalability for BMW applications.
- **Quarkus Framework Expertise**: Leveraged Quarkus capabilities, including fast startup and low memory footprint, to optimize applications and streamline microservices development.
- **Microservices Architecture**: Structured and maintained a robust and scalable microservices architecture, utilizing Quarkus-native features for distributed services.
- **Dependency Injection & CDI**: Utilized Context and Dependency Injection (CDI) for efficient dependency management, ensuring modularity and flexibility of the application.
- **Database Management & ORM**: Implemented persistence solutions using Panache (Quarkus ORM) and optimized database operations, ensuring efficient queries and data consistency.
- **RESTful Services**: Built secure and well-documented RESTful services with Java and Quarkus, following best practices to facilitate integration with various BMW systems.
- **Reactive Programming**: Worked with reactive programming in Quarkus to handle asynchronous operations efficiently, enhancing system responsiveness in real-time scenarios.
- **Caching Mechanisms**: Developed caching systems to improve API performance, reducing latency and enhancing user experience.
- **Testing & Quality Assurance**: Created extensive unit and integration tests using JUnit 5, Mockito, and Quarkus-native testing tools, ensuring code coverage and application stability before production release.
- **SQL Query Optimization**: Analyzed and optimized complex SQL queries to maximize system performance, ensuring fast response times and efficient use of database resources.

EDUCATION

INSTITUTO TÉCNICO LUCRÉCIO DOS SANTOS SOFTWARE DEVELOPMENT 2019-2023