

Emanuel Paulo

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EDUCATION

Instituto Técnico Lucrecio Dos Santos

High School Technical Diploma in IT and Network Management

Angola, Luanda

february. 2019 – July 2023

EXPERIENCE

Junior Java Developer

April 2024 – Present

Critical Techworks BMW Group

Portugal, Lisbon

- Developed high-performance APIs using Java and Quarkus, ensuring efficiency and scalability for BMW applications.
- Designed and maintained a robust microservices architecture, utilizing Quarkus-native features for distributed services.
- Implemented database solutions using Panache ORM and optimized SQL queries, improving system performance and data consistency.
- Built secure and well-documented RESTful services, adhering to best practices and integrating with various BMW systems.
- Developed caching mechanisms to enhance API performance, reducing latency and improving user experience.
- Integrated reactive programming using Mutiny API, enabling real-time responsiveness and efficient asynchronous processing.
- Created unit and integration tests using JUnit 5, Mockito, and Quarkus-native testing tools, ensuring code coverage and production stability.
- Deployed applications using Docker, implementing CI/CD pipelines for automated testing and seamless production workflows.
- Developed dynamic front-end interfaces with Angular, creating reusable and modular components for maintainable applications.
- Integrated Angular applications with RESTful APIs, enabling seamless communication between front-end and back-end systems.
- Conducted front-end testing using Jest, ensuring high quality and stability of UI components.
- Enhanced UI/UX by implementing responsive design principles, improving application usability and performance.

PROJECTS

MyLinks | *Java, Quarkus, TypeScript, Angular, PostgreSQL, Docker*

- * Developed a link organizer application that mimics a browser interface, allowing users to easily manage and access their favorite links.
 - * Implemented features for categorizing links, enabling users to sort and filter them based on custom tags and preferences.
 - * Designed an intuitive user interface with drag-and-drop functionality for organizing links visually, enhancing user experience.
 - * Integrated a search functionality that allows users to quickly find links by keywords, improving navigation efficiency.
 - * Ensured cross-platform compatibility, enabling seamless access on various devices and browsers.
- **To see more projects and details about my work, visit my portfolio at emanueldemara.netlify.app.**

TECHNICAL SKILLS

Languages: Java, NoSQL (MongoDB), SQL (Postgres), JavaScript, HTML/CSS

Frameworks: Spring, Quarkus, Angular, TypeScript, JUnit, Mockito, Panache, Hibernate

Developer Tools: Git, Docker, Azure, VS Code, IntelliJ, Grafana, Jenkins, Maven