

# Miguel Pombo

Software Engineer | .NET Backend Developer

**Location:** Rio de Janeiro, RJ, Brazil | **Phone:** +55 021 986527851 | **Email:** [mp96dev@email.com](mailto:mp96dev@email.com)

**LinkedIn:** <https://www.linkedin.com/in/miguel-pombo/> **Github:** [github.com/miguelpombodev/](https://github.com/miguelpombodev/)

## SUMMARY

Software Engineer with over 6 years of experience specializing in backend development with .NET (C#) and Python, with additional exposure to NodeJS and Java. Expertise in building scalable applications and integrating relational databases such as SQL Server, PostgreSQL, and MySQL, as well as NoSQL solutions like MongoDB and Redis. Proficient in working with Message Brokers, including RabbitMQ and Azure Queues, and experienced in cloud integration with AWS and Azure. Skilled in observability tools such as Elastic Stack, Grafana, and Prometheus, as well as containerization technologies like Docker and Kubernetes. Also experienced in frontend development with NodeJS and React.

## SKILLS

**Languages & Frameworks:** C#, .NET Core, Python, Flask, FastAPI, JavaScript, TypeScript, ReactJS, AngularJS, NodeJS

**Databases:** SQL Server, PostgreSQL, MySQL, MongoDB, Redis

**Cloud & DevOps:** Azure, AWS, Docker, Kubernetes, Azure DevOps, GitHub Actions

**Monitoring & Observability:** Grafana, Prometheus, Elastic APM

**Testing & CI/CD:** xUnit, Pytest, KarmaJS, TDD, CI/CD pipelines

**Architecture & Design:** Microservices, REST APIs, Clean Architecture, DDD, Design Patterns

## PROFESSIONAL EXPERIENCE

### Software Engineer

Shape Digital, Rio de Janeiro, BR – Remote

05/2021 to Present

#### Core Responsibilities:

- **Spearheaded** the development, monitoring, and maintenance of five microservices for an EPCI management system used by a major oil & gas company
- **Built** two Flask and three FastAPI services using Clean Architecture and TDD with Pytest, raising test coverage to **78%** across critical modules
- **Implemented** key Design Patterns (Factories, Adapters) and integrated Azure components including Queues, Functions, and Blob Storage
- **Authored** technical documentation for CI/CD workflows, databases, and observability tools, improving onboarding speed and internal efficiency by **80**
- **Contributed** to a .NET + SQL Server audit application, enhancing compliance reporting and system traceability.

#### Key Technologies and Tools:

Python (Flask, FastAPI), .NET, SQL Server, Azure (Queues, Functions, Blob Storage), Docker, Kubernetes, Grafana, Prometheus, Elastic Stack, Pytest, Black Linter, Ruff, Swagger, Azure DevOps.

### Front End Developer

Allied, BR – Remote

04/2021 to 05/2022

#### Core Responsibilities:

- **Built** and maintained an e-commerce platform for one of Brazil's largest mobile carriers using **AngularJS**, **TypeScript**, **SASS**, and **KarmaJS**, integrating key AWS services to ensure scalability.
- **Developed** product landing pages and lead-generation pages for strategic partners, including **Samsung** and **Apple**, contributing to increased user engagement and lead capture.
- **Led** the design and deployment of a dedicated store for premium customers and internal staff using **React**, **TypeScript**, and a **Monorepo architecture** to streamline component reuse.
- **Documented** shared UI components in **Storybook**, ensuring design consistency and improving collaboration across frontend teams.
- **Integrated Strapi CMS** into the premium store, enabling dynamic content management and reducing time-to-market for updates.

#### Key Technologies and Tools:

AngularJS, React, TypeScript, SASS, Storybook, KarmaJS, Strapi CMS, Monorepo, AWS S3.

### ETL Development Intern

Tasken, BR – Remote

08/2019 to 03/2021

#### Core Responsibilities:

- **Engineered** and deployed **SSIS packages**, and **optimized stored procedures and views** in SQL Server to improve data retrieval for managerial reporting.
- **Refactored** legacy code by migrating critical **Delphi logic to SQL procedures and scripts**, significantly increasing maintainability and reducing technical debt.
- **Built** WhatsApp bots using **NodeJS** to automate customer interactions, improving service response times.
- **Collaborated** on the modernization of a legacy system by helping transition features into a **ReactJS web application**, supporting frontend and backend integration.
- **Designed** and implemented business dashboards using **Power BI**, providing real-time insights and enhancing strategic decision-making for management.

#### Key Technologies and Tools:

SQL Server, SSIS, NodeJS, ReactJS, Delphi, Microsoft Power BI, ASP.NET MVC, IIS.

### EDUCATION

#### Bachelor of Software Analysis and Development

Infnet Institution - Rio de Janeiro - Brazil

06/2022 to 12/2024

- **Relevant coursework:** Development of Web Applications.

### LANGUAGES

**Portuguese:** Native.

**English:** Advanced.

**Spanish:** Intermediate.

### SIDE PROJECTS

#### Tech Mentorship Program (2024 – Present)

Founded and run a mentorship program focused on helping beginners and career shifters learn programming fundamentals and build real-world projects.

- Designed a hands-on roadmap, code review process, and pair programming sessions to simulate professional environments;

- Helped with algorithms and programming challenges, projects ideas, for APIs, databases systems.

**Developer Community on Discord (2024 – Present)**

Created and manage an active tech community with 40+ members, offering study projects to share tech and career knowledge, curated content, and discussion channels.