Mauricio Souza Menezes

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Date of		**LinkedIn**	linkedin.com/in/mau-me
Birth	July 30, 1995	**Github**	github.com/mau-me
Nationality	Brazilian	**Portfolio**	mau-me.github.io

Professional Profile

Backend Developer with over 5 years of experience in software development, focusing on building scalable, high-performance systems. Specialized in C#, Python, and JavaScript, with in-depth knowledge of frameworks such as .NET Core and Node.js. Significant experience in developing RESTful APIs, implementing microservices, and applying design patterns. Skilled in working with relational databases like PostgreSQL, SQL Server, MySQL, and Oracle, as well as NoSQL databases such as MongoDB and Redis. Experience with cloud environments including AWS and Google Cloud, emphasizing DevOps practices and continuous integration. Proven ability to lead technical teams, mentor developers, and promote best development practices. Knowledgeable in machine learning, LLMs, and algorithm optimization, with academic experience in these areas. Proficient in agile methodologies such as Scrum and Kanban, with a strong focus on automated testing and (CI/CD).

Education

2025–2027   Master's in Computer Science – Computational Intelligence and Optimization
Federal University of Bahia
Graduate Program in Computer Science
    Research area: Algorithm optimization applied to wind farm installation

2013–2023   Bachelor's in Information Systems
State University of Bahia
    Thesis: Implementation of a machine learning model for analysis of SARS-CoV-2 viral sequences

Professional Experience

07/2024 -   Renova Technology Solutions
Present   *Backend Developer*

Development and maintenance of highly scalable enterprise applications, with responsibilities including:

- Defining and implementing microservices-based system architecture
- Developing and applying design patterns across the company
- Providing technical mentorship and guidance to development and DevOps teams
- Optimizing queries and procedures in relational databases
- Implementing (CI/CD) practices and automated testing

Main Technologies: C#, .NET Core/Framework, ASP.NET Web API, NHibernate, Entity Framework, Oracle DB, SQL Server, Azure DevOps.

02/2019 -
01/2020
Sinqia
Backend Developer

Worked on financial sector projects, focusing on:

- Developing RESTful APIs following industry standards
- Creating and optimizing complex SQL queries, stored procedures, and functions
- Implementing business rules for banking processing systems
- Participating in code reviews and architecture improvements

Main Technologies: C#, .NET Core/Framework, ASP.NET MVC, NHibernate, Entity Framework, Oracle DB, SQL Server.

01/2017 -
01/2018
State University of Bahia
Web Developer / Extension Monitoring Fellow

Developed the department's scientific publications support portal:

- Implemented a complete system for managing academic publications
- Created a responsive interface for mobile access
- Integrated with the institution's internal systems

Technologies: HTML5, CSS3, JavaScript, PHP, MySQL

01/2017 -
01/2018
State University of Bahia
Database Administrator (DBA)

Responsible for the department's database infrastructure:

- Installed, configured, and optimized MySQL servers
- Implemented backup and data recovery routines
- Monitored performance and resolved issues
- Created analytical reports for decision-making

Technologies: MySQL, Shell Script, Monitoring Tools

Relevant Projects

2023–2024 **Financial Data Processing API**
Developed a high-performance, low-latency RESTful API for processing financial transactions.
Implemented Repository, Factory, and Strategy patterns. **Technologies:** .NET Core,
SQL Server, Redis, Docker.

2022–2023 **Predictive Analysis System**
Implemented machine learning algorithms for predictive data analysis.
Technologies: Python, Pandas, Scikit-learn, Docker, MongoDB.

Certifications

2023 **AWS Data Engineering** – How Education
Amazon Web Services (AWS), Airflow, CloudFormation, Data Lakes, Docker, Python,
PyTest, Terraform, CI/CD (GitHub Actions), SQL, REST APIs, Selenium, Jenkins.

2023 **Google Cloud Computing Foundations** – Google Cloud
Cloud Computing, Infrastructure, Networking & Security, Data, Machine Learning,
and Artificial Intelligence on Google Cloud.

2023 **Software Development (Backend)** – Cubos Academy
Git & GitHub, JavaScript, Node.js, SQL, HTTP, RESTful APIs, Streaming,
and Software Testing.

2021–2022 **Information Technology (NuLab)** – Alura & Nubank
Backend Development, Node.js, RESTful APIs, PostgreSQL, Git & GitHub,
Agile Methodologies, and Soft Skills.

Technical Skills

- **Backend & Architecture**

  Python – Advanced
  Django / Flask / FastAPI – Advanced
  .NET Core/Framework (C#) – Advanced
  ASP.NET Web API / MVC – Advanced
  Design Patterns – Advanced
  Node.js – Advanced
  Java – Intermediate
  Microservices – Intermediate

- **Databases**

  SQL Server – Advanced
  Oracle Database – Advanced
  MySQL – Advanced
  PostgreSQL – Advanced
  MongoDB – Advanced
  Redis – Intermediate

- **DevOps & Cloud**

  Git / GitHub – Advanced
  CI/CD – Azure DevOps, GitHub Actions – Advanced
  Docker – Advanced
  AWS – Intermediate
  Google Cloud – Intermediate
  Azure – Intermediate
  Linux – Advanced

- **Web Development**

  RESTful APIs – Advanced
  HTML5, CSS3, JavaScript – Advanced
  React – Intermediate
  Express.js – Advanced

- **Artificial Intelligence**

  Machine Learning Models – Advanced
  LLM Models (Large Language Models) – Advanced
  Computer Vision – Intermediate
  Algorithm Optimization – Intermediate
  Natural Language Processing (NLP) – Intermediate

- **Methodologies & Practices**

  Scrum / Kanban – Advanced
  Automated Testing (PyTest, Selenium) – Advanced
  Continuous Integration – Advanced
  Clean Code / SOLID – Advanced

Languages

Portuguese Native
English Intermediate – Technical reading and writing