

Tomás Hugo Almeida

<https://tomashugo.com>

Email : contato@tomashugo.com

Mobile : +55-21-99431-3419

EDUCATION

- **Fundação Getúlio Vargas - FGV** Rio de Janeiro, Brazil
MBA - Economic and Strategic Planning Oct. 2019 – Jun. 2022
- **Universidade Federal do Maranhão - UFMA** Maranhão - Brazil
Bachelor of Electrical Engineering and Power Systems Mar. 2005 – Jun. 2010

CERTIFICATION

- **AWS Certified Cloud Practitioner (CLF)** AWS
Validation Number F4MDX52BJN4Q1VCW
- **AWS Certified Developer - Associate (DVA)** AWS
Validation Number NEW3SEVBH2441F9S
- **AWS Certified Solutions Architect - Associate (SAA)** AWS
Validation Number PY0GQHTD3B4Q1XC3

EXPERIENCE

- **Th Soft - Business Owner** Rio de Janeiro - Brazil
Development of Fullstack Projects for Utilities (energy and water) in Rio de Janeiro May 2023 - Present
 - **Frontend:** Creating frontend projects using Google Maps API, Angular, HTML, Bootstrap and CSS.
 - **Backend:** Development of APIs written in TypeScript, ExpressJS, and the PrismaJS ORM, with test coverage and following Clean Architecture best practices.
 - **Backend:** Systems for optimizing routing of field crews, using OSRM - Open Source Routing Machine and VROOM - Vehicle Routing Open-source Optimization Machine.
 - **Systems Administration:** Administration of Linux systems and setup up of PostgreSQL, MongoDB, Nginx instances to support the frontend and backend applications.
- **Light SA** Rio de Janeiro - Brazil
Smartgrid Manager Oct 2019 - May 2023
 - **Team Leadership:** Leading a team of engineers, technicians, and analysts responsible for overseeing, maintaining, and managing the systems and network of Light's Smartgrid operational.
 - **Development of a ChatBot:** Development of a support ChatBot for field teams, allowing them to clarify questions regarding services and procedures to be adopted in each task. The chatbot utilized WhatsApp as the conversational platform and was built using NodeJS and Express on the backend, with MongoDB as the database for data persistence.
 - **Data Analysis:** Development of a variety of Python scripts to perform tasks of data analysis, mining, and transformation.
- **Equatorial Energy** Maranhao - Brazil
Coordinator Jun 2010 - Sep 2019
 - **Team Leadership:** Management of field teams responsible for inspection and maintenance activities of the electrical distribution network.
 - **Development of Memory Mass Analyzer:** Development and maintenance of a system for massive analysis of data generated by smart meters, aiming to identify potential errors or defects in measurement. Developed using the Python programming language and the Django framework. The system's frontend includes a dashboard for information visualization, along with an analysis workflow where analysts can enhance the conducted analyses and generate field service dispatches.

PROJECTS

- **Intraday Watch:** Personal project of a Twitter bot (@intradaywatch) that performs a daily analysis of movements in the B3, the Brazilian Stock Exchange, and posts insights about the day's events and highlights. This project was developed using AWS serverless technologies, such as AWS Lambda, S3, Athena, EventBridge, SQS, DynamoDB, among others.
- **Lox Language:** Personal project of creating a compiler/interpreter for the Lox programming language. A project stemming from the study of Robert Nystrom's book Crafting Interpreters. Created with C#.

PROGRAMMING SKILLS

- **Languages:** Javascript/Typescript, Python, Javascript, SQL, C#
- **Technologies:** AWS, Git, Linux, Docker, Jetpack Compose, AWS Lambda, S3, Route 53, DynamoDB, PostgreSQL, EventBridge
- **Frameworks:** Jest, ExpressJS, Angular