

# Matheus Tura

## Backend Software Developer

Professional developer since 2016 and Bachelor's from one of the top 10 best ranked universities in Latin America. Specialized in AWS, with proven ability in sensitive migrations and cloud cost reduction. Opinionated towards clean code, test-driven development, infrastructure as code and best practices to high-quality delivery.

## PROFESSIONAL EXPERIENCE

### Axur Cyber Security— Java Back End Developer

MAR 2020 - OCT 2021

Latin America leading automatic fraud detection, content removal for surface/deep/darkweb

- Worked on a large scale java event-sourcing microservices environment
- Developed a multithreaded java microservice with IPC (Unix Domain Sockets) increasing packets throughput capability in 100x.
- Promoted and created a tooling for microservice endpoint load-test using Python Locust, resulting in data-driven choices for upper limit REST endpoint parameters.
- Contributed on periodic engineering support shifts monitoring observability metrics and ensuring systems health and SLA deadlines.
- Reduced S3 costs migrating Terabytes of tiny files from Standard to Glacier.
- Migrated and updated several uptime sensitive internal services hosted on AWS such as nexus, pypi, sonarqube and jenkins with little down-time.
- Built/Maintained/Optimized jenkins CI/CD tools, pipelines and jobs automation.
- Mentored newcomers as a Buddy, offering code reviews, guidance on internal processes, programming techniques, and best practices.

**Technologies:** Java, Python, Spring Framework, Docker, RabbitMQ, Logstash, AWS (EC2, ECS, RDS, S3, Lambda, IaC), Jenkins, Datadog, SQL, Linux, Event-Sourcing

### Elysios Smart Agriculture — Software Developer

MAR 2019 - MAR 2020

Farm journaling mobile app with IoT sensing integration for greenhouse farmers

- Upgraded search algorithm to fuzzy search, boosting accuracy and user experience.
- Created Systemd daemon to update java apps on remote rspb pis, ending manual ssh.
- Designed and created a technician chat with photo exchange capability for incidents.
- Implemented authenticated APIs for weather data using Python Flask.

**Technologies:** C#, Java, Python, Xamarin, SQLite, MySQL, Flask, Pandas, Linux

### Asimov Trading — Python Developer

AUG 2018 - FEB 2019

Proprietary trading firm for low-latency statistical arbitrage and market neutral strategies

- Coded a market making backtest for Brazilian cryptocurrency exchange, Quantitative analysis model backtested with pandas and numpy.
- Developed an observability dashboard for cloud infrastructure and running strategies (AWS, Gcloud), resulting in fast response time for downtime incidents.
- Researched latency reduction, resulting in less network errors at heavy load periods.

**Technologies:** Python, Pandas, Dash, Linux, Bash, AWS, Websockets, REST

### Nelogica — Delphi Developer

DEC 2016 - AUG 2018

Latin America leading trading platform, homebroker and order management system.

- Promoted and implemented a novel News platform, creating a new form of revenue through plugin subscription for different news sources affecting millions of users.
- Implemented technical indicators and visual interfaces for risk analysis with close contact and periodic meetings with traders, negotiating requirements and design.
- Introduced a GPU compliant graphics delphi library instead of CPU-only.

[zatura.me](http://zatura.me)

[github.com/zatura](https://github.com/zatura)

[gitlab.com/matheus-tura](https://gitlab.com/matheus-tura)

[hackerrank.com/matheus\\_tura](https://hackerrank.com/matheus_tura)

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## EDUCATION

**B.S. Computer Engineering**  
UFRGS - Brazil

## AWS CERTIFICATIONS

[Certified Developer Associate](#)

[Certified Cloud Practitioner](#)

## SKILLS

AWS, Java, Python, Docker  
Test-driven Development,  
Event Sourcing Architecture,  
CI/CD, Linux, Cloudformation,  
Microservices, Bash

## AWARDS

IEEE World Haptics  
Conference, Chicago, 2015  
Student Innovation Challenge  
3rd Place

Vex Robotics Competition  
Round Up, Brazil, 2010  
Excellence Awards  
1st Place Team

## LANGUAGES

Portuguese - Native  
English - Bilingual Proficiency

## CITIZENSHIPS

Brazilian  
Italian

## INTERESTS

Backend, Microservices,  
DevOps, Linux, Data Science,  
Cryptocurrencies.