

# Gilberto Massulo Neto

gilbertomassulo@gmail.com • +55 92 99123-1234 • linkedin.com/in/gilbertomassulo • lattes.cnpq.br/5015906729497725

## PROFESSIONAL SUMMARY

Tech Lead and Full Stack Developer with 19+ years of experience delivering end-to-end software solutions across AI, wearable health technology, blockchain, and government systems. Currently leading an AI-driven lean manufacturing project at Venturus and teaching Mobile Development at university level. Former Samsung Electronics contributor to a global health data platform serving millions of users. Trilingual (Portuguese, English, Spanish) with a published academic paper on AI and climate prediction. Brings deep technical expertise and strategic mindset to complex, cross-functional teams.

## EDUCATION

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Universidade Europeia del Atlántico | Master's in Strategic Management in Software Engineering | Expected Dec 2025

Faculdade Metropolitana | MBA in Software Engineering | 2022

FUCAPI | MBA in Information Security | 2011

UNINORTE | Technologist in Software Development | 2009

## RELEVANT EXPERIENCE

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Venturus | Manaus, AM

May 2025 – Present

Tech Lead

- Leading a cross-functional team of engineers on an AI-powered system to optimize lean manufacturing processes, reducing manual analysis cycles for production lines.
- Overseeing all stages of product delivery, including requirements gathering, architecture, fullstack development, and deployment.
- Working with technologies such as Node.js, ReactJS, Docker, MySQL, RabbitMQ, and Azure.
- Coordinating cross-functional collaboration with product, QA, design, and machine learning teams in agile environments using Azure DevOps.
- Mentoring engineers through regular code reviews and architectural guidance, raising team code quality standards.

ESTÁCIO | Manaus, AM

Feb 2025 – Present

Professor

- Taught Mobile Programming with React Native, focusing on security and API integration.
- Applied active methodologies and real-world projects, encouraging computational thinking.

Samsung Electronics | Manaus, AM

Mar 2020 – May 2025

Full Stack Developer & DevOps

- Built data collection and analysis systems processing biometric data (heart rate, activity, sleep) from Samsung Health wearables deployed globally to millions of users.
- Collaborated with cross-border teams across Brazil and South Korea in Agile sprints, bridging time zones and cultural workflows.
- Managed Linux/Windows server infrastructure and Docker environments, implementing CI/CD pipelines with Git and Jenkins that reduced deployment time significantly.
- Drove security hardening and automation initiatives across corporate systems, reducing manual intervention in deployment and monitoring workflows.

CITS | Manaus, AM

Feb 2019 – Feb 2020

Software Engineer

- Architected and delivered 5 blockchain software products using Node.js, TypeScript, PHP, Python, Angular, and Electron, from PoC through production.
- Implemented distributed database infrastructure using BigchainDB and Hyperledger Fabric with fine-tuned consensus algorithms across a 3-node network, ensuring LGPD compliance.

SEAD-AM | Manaus, AM

Dec 2011 – Jan 2019

Developer & Manager

- Led development of 4 critical government platforms (Escola Governar, Passivos-AM, Junta-Médica, Painel Amazonas BI), supporting training and financial management for Amazonas State employees.
- Managed IT infrastructure, help desk operations, and strategic project oversight for a state government agency over 7 years.

IMPLURB | Manaus, AM

Jan 2009 – Dec 2011

IT Technician

- Managed urban planning systems, developed applications, provided technical support.

## TECHNICAL PROJECTS

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AI

- Developing AI-powered system to suggest lean manufacturing process improvements.
- Developed "Abnormal": an AI-based news classification system that learns and adapts to new content patterns autonomously.

Wearable Data Analytics

- Delivered biometric data analysis pipelines that directly informed Samsung Health product improvements across wearable device lines.

Blockchain for Public Documentation

- Designed and deployed a distributed blockchain infrastructure for public documentation, ensuring data integrity, auditability, and full LGPD compliance.

Government BI Dashboards

- Built BI dashboards for Amazonas State government, enabling data-driven decision-making across multiple departments and reducing manual report generation time.

## SKILLS & CERTIFICATIONS

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- Programming Languages: HTML, CSS, JavaScript, TypeScript, PHP, Python, Java, SQL
- Tools & Frameworks: ReactJS, Angular, Node.js, Laravel, Docker, Jenkins, Power BI, Pentaho, ETL, OLAP
- Methodologies: Agile, Scrum, DevOps
- Languages: Portuguese (native), English (advanced), Spanish (good)
- Certifications: Unit Testing in NodeJS, Business English, Introduction to AI, Agile with Jira, Generative AI

## PUBLICATIONS

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Climate Change: AI in Predicting Extreme Hydrological Events in the Amazonas State (see Lattes profile)