

## Lucas Geovani Castro Brogni

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### Technical Skills

- **Languages:** TypeScript, JavaScript, Java, Kotlin, PHP
- **Frameworks & Libraries:** React, Node.js
- **Testing Tools:** Jest, JUnit, Cypress
- **Messaging Services:** Kafka, RabbitMQ, AWS SQS/SNS
- **Databases & Caching:** PostgreSQL, MySQL, DynamoDB, MongoDB, Redis
- **Cloud & Infrastructure:** AWS, AWS CDK, AWS Cognito, Terraform, AWS Lambda
- **Architecture & Design:** Event-driven architecture, Microservices, Serverless, Domain-Driven Design (DDD), RESTful APIs, Clean Architecture
- **Monitoring & Observability:** Datadog, Sentry, AWS CloudWatch
- **Development Practices:** TDD, CI/CD, Agile (Scrum, Kanban)

### Professional History

#### Taxdoo (Hamburg, Germany)

**Senior Software Engineer** | April 01, 2023 – July 11, 2025

**Summary:** Led key technical initiatives in software development, testing strategies, and system migrations while mentoring engineers and temporarily managing the engineering team.

#### Responsibilities:

- Developed new features across all phases of the software development lifecycle.
- Led technical initiatives from system design to implementation.
- Designed and implemented testing strategies to maintain high-quality standards.
- Mentored engineers and fostered team growth.
- Temporarily took on responsibilities for team coordination and project oversight (10 months).

#### Main Results:

- Migrated login flow to AWS Cognito, decreasing security bugs by 68% in 6 months.
- Implemented CI/CD pipelines, changing releases from weekly to multiple daily.
- Established a test culture, reducing critical production incidents.

#### Pleo (Copenhagen, Denmark)

**Backend Software Engineer** | February 01, 2022 – March 31, 2023

**Summary:** Designed and implemented new features for product enhancement, participated in collaborative programming, and managed AWS cloud services.

#### Responsibilities:

- Designed and implemented new features to enhance the product.
- Participated in collaborative programming sessions and performed peer code reviews.
- Utilized NodeJS, TypeScript, and Kotlin to build backend systems.
- Optimized and managed databases using Postgres.
- Integrated and managed cloud-based services on AWS through Terraform.

#### Main Results:

- Participated in the development of the Multi-Entity solution of Pleo, creating a new revenue point for the company
- Rewrote card tracking integration with a 3rd party partner, leveraging serverless infrastructure to a better integration and reduction of errors in the processing of data

### **Hexis Technology Hub (Lisbon, Portugal)**

**Senior Backend Software Engineer (Partnered with Learningbank)** | August 09, 2021 – January 28, 2022

**Summary:** Developed features using NodeJS and TypeScript, redesigned APIs, and created development templates and asynchronous communication solutions.

#### **Responsibilities:**

- Developed and implemented features to enhance the existing product.
- Collaborated in pair programming sessions and conducted detailed code reviews.
- Redefined APIs to adhere to RESTful standards.
- Developed technical documentation.
- Designed and implemented asynchronous communication solutions.

#### **Main Results:**

- Decreased overall latency of services by 12% by adhering to RESTFUL standards.

### **Multivision (Lisbon, Portugal)**

**Backend Developer (Partnered with Hoist Group)** | March 01, 2021 – August 6, 2021

**Summary:** Developed and maintained website interfaces, enforced security protocols, and created a benchmarking platform.

#### **Responsibilities:**

- Developed clean, efficient, and secure code.
- Designed and executed unit and integration tests.
- Enforced security protocols.
- Performed code reviews and restructured legacy code.

#### **Main Results:**

- Created and launched a benchmarking platform, leading to up to a 20% increase in customer revenue.
- Designed custom reports for major hotel chains, empowering clients to optimize offerings and reduce costs.

### **Syone (Lisbon, Portugal)**

**Software Engineer** | September 28, 2020 – February 28, 2021

**Summary:** Built and maintained website interfaces, mentored junior engineers, and actively participated in Agile ceremonies.

#### **Responsibilities:**

- Wrote clean, efficient, and secure code.
- Mentored Junior Engineers.
- Set testing standards in the team by using Jest for unit testing

#### **Main Results:**

- Reduced code duplication by 35% through refactoring old components.
- Led efforts to reduce technical debt, increasing development efficiency

### **Lyncas (Jaraguá dos Sul/SC, Brazil)**

**Software Developer (Partnered with Avalara Inc)** | July 01, 2019 – September 10, 2020

**Summary:** Developed cloud-based solutions focusing on designing scalable, reliable, and high-performance software.

**Responsibilities:**

- Developed cloud-based solutions by using NodeJS, Typescript, and MongoDB.
- Designed and implemented scalable, reliable, and high-performance software.
- Coded and reviewed high-quality software using modern libraries and frameworks.
- Collaborated on project estimation, scoping, and code reviews.
- Provided mentorship and guidance on architecture and coding standards.

**Main Results:**

- Achieved over 99.99% system uptime.
- Enhanced front-end maintainability and improved development efficiency with automated tests.
- Maintained backend test coverage above 90%.

**Qualix Tecnologia (Jaraguá dos Sul/SC, Brazil)**

Software Developer | September 03, 2018 – June 30, 2019

**Summary:** Developed React Native mobile applications (delivery tracking and sales enablement tools) and a React web frontend for delivery monitoring (Node.js + GraphQL + MongoDB backend).

**Responsibilities:**

- Developed React Native mobile applications for the delivery tracking and sales enablement tools.
- Developed a React web frontend for real-time delivery monitoring.
- Designed the delivery tracking tool's backend (Node.js + GraphQL + MongoDB).
- Optimized workflows for both mobile applications.
- Managed app deployments and performance tracking (mobile)

**Main Results:**

- Streamlined mobile app deployments, reducing time-to-market by 15%.
- Improved sales enablement app performance, resulting in a 20% decrease in crashes and a 10% boost in user satisfaction.

**Dimensão Sistemas (Jaraguá dos Sul/SC, Brazil)**

Software Developer | April 23, 2018 – September 01, 2018

**Summary:** Designed and developed web applications, primarily focused on migrating key workflows from a legacy Windows Forms application (login, customer creation, sales order creation) and creating a customer-facing UI dashboard.

**Responsibilities:**

- Designed and developed web applications.
- Developed a UI dashboard for customer data visualization.

**Main Results:**

- Migrated 20% of the legacy Windows Forms product to the web application
- Implemented performance optimizations, reducing average page load times by 15%.

**Systextil (Jaraguá dos Sul/SC, Brazil)**

Software Development Analyst | February 06, 2017 – April 21, 2018

**Summary:** Designed, built, tested, and deployed software solutions for internal systems and managed databases.

**Responsibilities:**

- Designed, built, tested, and deployed software solutions.
- Troubleshooted and resolved software issues.
- Provided ongoing maintenance for client applications.

**Main Results:**

- Developed and deployed 4 essential modules of Systextil ERP Web

**Elian Indústria Têxtil (Jaraguá dos Sul/SC, Brazil)**

**Junior Systems Analyst** | March 03, 2014 – February 03, 2017

**Summary:** Assisted in software development, provided technical support, and collaborated with cross-functional teams.

**Responsibilities:**

- Assisted in the development, testing, and debugging of internal software applications.
- Provided technical support to end-users & collaborated with departments to align IT solutions.
- Documented system specifications and technical procedures.

**Main Results:**

- Achieved 100% adoption of a new sales platform within 20 days.
- Negotiated with development partners, reducing costs by 10%.

## **Education**

**Postgraduate Degree in Tech Management**

FIAP - Faculdade de Informática e Administração Paulista, Brazil | 2025 – Present

Key Topics: Leadership for Tech Teams, Agile Methodologies, Software Product Lifecycle Management, Technology Governance, Solution Architecture, Innovation Strategy, Team Collaboration, Communication and Negotiation, and Strategic Thinking.

**MBA in Software Architecture**

IGTI – Institute of Management and Information Technology, Brazil | 2020 – 2021

Key topics: Cloud-native architecture, JavaScript architecture, architectural modeling, project management.

**Bachelor of Technology in Internet Systems**

Faculdade de Tecnologia SENAI, Brazil | 2016 – 2019

Key topics: Web Integration Architecture, Software Testing Best Practices, Software Engineering, Agile Methodologies, Data Modeling, and Data Structures.

## **Certifications**

SFPC - Scrum Foundation Professional Certification - ID 103330018

JSNSD - OpenJS Node.JS Services Developer - ID LF-kkov43bnvi