

PAULO MATEUS DOS SANTOS SILVA

Software Engineer and Junior Cybersecurity Analyst

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❖ PROFESSIONAL SUMMARY

Full Stack Developer with over **4 years** of experience in **back-end** and **front-end**, specialized in scalable and secure solutions. Proficient in Node.js, TypeScript, React.js, Next.js and Nest.js, with knowledge of **cybersecurity practices** (OWASP Top 10, LGPD) and **security integration in SDLC**. Experience in projects for the public and private sectors, including critical systems for city halls, with a focus on compliance and data protection. Improving my skills in **cybersecurity**, through **Google's professional certification** in the area and applying security concepts in development (*e.g.: JWT authentication, encryption, log analysis*).

❖ ACADEMIC BACKGROUND

□ Bachelor's in Software Engineering - *Estácio - UNESA (July 2024 – December 2028)*

The Software Engineering course at Estácio lasts 4 years and focuses on equipping students to design, develop, test, and maintain complex software systems.

The curriculum covers fundamental subjects such as algorithms, data structures, requirements engineering, software architecture, testing and quality, as well as advanced topics such as information security, project management, and agile methodologies.

The goal is to train professionals capable of developing efficient, scalable, and secure solutions for the technology market.

❖ CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

□ Full Stack Development - *Trybe (March 2023 – October 2024)*

- Over **1,500 hours** of training in web development (*front-end and back-end*), computer science, and soft skills. Participated in **over 25 individual and team practical projects**.

- **Technologies:** TypeScript, Python, React.js, Node.js, Express, Next.js, Nest, Jest, Docker, Git, SQL & NoSQL, Algorithms, and Data Structures.

□ **Google Cybersecurity Professional Certificate** (June 2024 – March 2025)

Course covering cybersecurity fundamentals, including:

- Vulnerability identification and risk analysis.
- SIEM tools (e.g. Splunk, Chronicle), basic pentesting and log analysis.
- Compliance with frameworks such as NIST, ISO 27001 and LGPD/GDPR.
- Security practices in networks, systems and applications.

Knowledge: LGPD/GDPR, OWASP Top 10, Risk Analysis, Systems Hardening.

◆ **PROFESSIONAL EXPERIENCE**

□ **Senior Software Developer | Inetum (Remote – June 2025 – November 2025)**

- Senior Frontend Developer on an international project for CP – Comboios de Portugal, the country's main state-owned rail transport company, with national operations and millions of monthly users.
- Development of modern web applications focusing on PWA (Progressive Web Apps), accessibility (WCAG), mobile-first responsiveness, and performance (Lighthouse 90+).
- Creation of reusable components in React + TypeScript, with scalable architecture (Clean Architecture) and a focus on readability and maintainability (Clean Code).
- Implementation of Service Workers, dynamic caching with Workbox, and offline functionality.
- Integration with robust REST APIs, testing with Jest, and CI/CD support.
- Collaboration with UX, back-end, and product teams, working under agile methodologies in a remote environment with European time zone.

□ **Full Stack Developer | Dourado Cash** (Remote – February 2025 – February 2026)

- Full-Stack development of hybrid solutions with TypeScript, Node.js, Nest.js, React.js, Nest.js.
- Front-end web development with React.js, Next.js, CSS, Tailwind and Styled Components.
- Implementation of cloud services (AWS) and DevSecOps practices for continuous security.
- Creation of automated tests (unit, integration) and application of Clean Code/Clean Architecture.
- Collaboration with agile teams (Scrum/Kanban) in the design, delivery and maintenance of high-quality products.
- Integration of RESTful APIs and microservices, in addition to CI/CD optimization for efficient deployments.
- Creation/Validation of UX/UI Layouts with Figma.

□ **Full Stack Developer (Focus on Backend) | Sumé Tecnologia** (Remote – August 2024 – February 2025)

- Developed and maintained back-end systems using **Node.js, Nest.js, Express, PostgreSQL, Prisma, Swagger** and **Docker**.
- Contributed to the development of: **Sonar**, an integrated system for the **Rio de Janeiro City Hall (RJ - Brazil)**, facilitating public access to information and services, allowing the population to submit requests, complaints, and report issues, abuses, and anonymous denunciations.
- Fixed longstanding **WebSocket** bugs, restoring and optimizing real-time communication and log monitoring for **Mdotti's Zboox servers**. Contributed to developing its internal platform for managing machines, achieved a **30% improvement** in system performance through migration from WebSocket to gRPC.
- **Configured and implemented automated backup systems using AWS S3**, ensuring regular and secure cloud storage of Mdotti's server data through integration with our Node.js API.
- Implemented critical real-time communication features via **WebSocket**, later leading the migration to **gRPC** to enhance performance and scalability.
- Worked with agile methodologies (Scrum, TDD, XP) and continuous integration using Azure DevOps.
- Used AWS services in production environments (**S3**) and is familiar with **Lambda, API Gateway, and DynamoDB** through personal projects and additional training.

□ **Software Engineer – Full Stack | Mats Tecnologia** (Hybrid – June 2023 – January 2025)

- Full-stack development focusing on **Node.js, Nest.js, PostgreSQL, Prisma, Docker, React.js**, and **Next.js**.
- Created **responsive and scalable solutions** for clients, developing internal tools that increased client revenue and simplified daily workflows.
- Played a key role in developing **native Android** apps using **Kotlin** and **Java**.
- UX/UI design with a focus on responsiveness, using Figma, Bootstrap, Tailwind CSS, Canva, Photoshop, Adobe Premiere, and Adobe Illustrator.
- Contributed to high-impact projects, delivering optimized performance and ensuring cross-platform compatibility. Increased client revenue by 15% through development of internal tools that streamlined workflows.

□ **Full-Stack Developer | PIBTV** (Hybrid – June 2024 – December 2024)

- I **Led the full-stack development** of a web application for the church, handling front-end and back-end using **TypeScript, Node.js, Nest.js, PostgreSQL, Prisma, React.js**, and **Next.js**.
- Built a comprehensive system enabling user registration and providing an admin panel to manage church expenses, donations, and financial data.
- Improved operational efficiency by automating key processes and ensuring secure data handling in compliance with **General Data Protection Law** (LGPD - Brazil).

□ **Front-End Developer | Hub Lar** (Remote – September 2022 – January 2023)

- Planned and developed the Hub Lar website using HTML, CSS, and JavaScript.
- Designed responsive interfaces, contributing to the digital growth of a social enterprise, an NGO transforming the lives of underprivileged residents in Sorocaba, São Paulo, Brazil.
- Website live at: hublar.net.

□ **Graphic Designer UX/UI | Mats Designer** (Hybrid – June 2019 – November 2024)

- Over **4 years of experience** delivering high-quality graphic design solutions for banners, website layouts, and social media posts.
- Collaborated with over 20 clients, creating impactful branding materials and landing pages.
- Managed social media for a gym for 2 years, increasing client acquisition and profits through strategic content and campaigns.

Tools: Figma, Photoshop, Illustrator, CorelDRAW, Adobe Premiere, Sony Vegas.

□ **Full Stack Developer (Focus on Frontend) | Defendy** (Remote – September 2023 – December 2024)

I work on the development and maintenance of the Defendy platform, contributing to the creation of modern, responsive and high-performance interfaces. Using React.js, Next.js, TypeScript, AntD, React Query, Context API and Axios, thus ensuring a consistent and efficient user experience.

I collaborate with the team in an agile environment, applying methodologies such as Scrum and Jira to plan and deliver solutions aligned with the client's needs and market quality standards.

□ **Full Stack Developer | City Hall of Teotônio Vilela** (Remote – March 2022 – July 2023)

- Developed and maintained responsive web applications for municipal services using React.js and TypeScript, enhancing citizen access to digital services.
 - Integrated frontend applications with RESTful APIs and AWS-powered backends, improving system efficiency and scalability.
 - Implemented AWS S3 for storing and serving public-facing documents such as tenders, notices, and event media.
 - Developed serverless functions with AWS Lambda and API Gateway to handle citizen service requests (e.g., appointment scheduling, certificate requests).
 - Utilized DynamoDB for lightweight, scalable data storage related to online service tracking.
 - Collaborated on the configuration of a virtual contact center using AWS Connect, designing basic contact flows and voice menus to route calls to municipal departments.
 - Enabled real-time call integration with internal systems using CPF-based lookups for service status updates.
 - Monitored and maintained system health using AWS CloudWatch, ensuring high availability and performance.
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◆ TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, C#, Kotlin.
 - **Frameworks/Libraries:** React.js, Next.js, Nest.js, Angular, Vue.js, Jest, ConnectRPC.
 - **Cybersecurity:** SIEM (Splunk), Pentesting Básico (Burp Suite), Kali Linux, LGPD/GDPR.
 - **Tools/Platforms:** Node.js, .NET, Docker, Git, SQL Server, MySQL, PostgreSQL, PrismaDB, AWS, Azure DevOps, Linux, GitLab, Github, XML, WebSocket e gRPC.
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◆ SOFTS SKILLS

- Effective Communication
- Collaboration and Teamwork
- Self-Management and Organization
- Problem-Solving
- Adaptability
- Critical Thinking
- Proactivity

- Emotional Intelligence
 - Continuous Learning
 - Conflict Resolution
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◆ LANGUAGES

- **Portuguese:** Native.
- **English:** Intermediate (reading and communication).
- **Spanish:** Intermediate (reading and communication).