

Paulo César Martins da Silva Júnior

Tech Lead | Senior Fullstack Engineer | Backend & Mobile Specialist

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SUMMARY

- Tech Lead with 7+ years of experience designing and delivering scalable, high-performance systems using Node.js, TypeScript, and React ecosystems.
- Operating at a seniority level comparable to over a decade of hands-on experience, with strong expertise in Fintech, building secure APIs and resilient architectures supporting assets under management exceeding R\$ 400 billion.
- Proven track record in system design and microservices architecture, improving performance from 3 seconds to 200 milliseconds and supporting systems with 10,000+ requests per second.
- Experienced in leading cross-platform initiatives and engineering teams, driving productivity gains of 30% and reducing development costs by over R\$ 500,000 annually.
- Strong focus on technical leadership, architecture decisions, and delivering business impact through scalable engineering solutions.

SKILLS

Technical Leadership, System Design, Microservices Architecture, Clean Architecture, Domain-Driven Design (DDD), React, Node.js, JavaScript, TypeScript, Docker, Kubernetes, AWS, React Native, CI/CD Pipelines, API Design, REST APIs, GraphQL APIs, PostgreSQL, MongoDB, Prisma ORM, Sequelize, Redux, Azure, Jest, Tailwind CSS, Next.js, WebSocket, RabbitMQ, AWS SQS, Angular, Express.js, NestJS, React Router, React Testing Library, Stripe, Twilio

WORK EXPERIENCE

Batameta Tecnologia

Founder & Tech Lead

São Paulo, BR

April 2025 - Present

- Built and launched a cross-platform financial platform for 1.5M+ gig economy drivers, by defining product strategy and leading end-to-end development
- Designed scalable architecture using Node.js (NestJS), PostgreSQL (multi-schema), MongoDB, and RabbitMQ
- Developed a dynamic daily goal engine ensuring user profitability through advanced financial modeling
- Improved user retention and engagement via real-time tracking, push notifications, and WhatsApp automation
- Implemented a full subscription lifecycle with Stripe (web and mobile) using webhook-driven architecture
- Led all technical and product decisions, including system design, engineering standards, hiring, and vendor management

Brasilprev

Tech Lead Developer

São Paulo, BR

April 2024 - April 2026

- Orchestrated the redesign of a flagship app using React Native, boosting development efficiency by 40% and setting the foundation for a future company-wide rollout to replace the legacy platform.
- Implemented advanced biometric authentication features, including FaceID and Google Biometrics, enhancing security and simplifying login for over 300,000 active users.
- Established a TDD-based development culture from scratch, achieving over 95% test coverage and reducing production bugs by 70%.
- Scaled backend infrastructure to support increasing traffic loads, maintaining 99.99% uptime and seamless user experiences during peak usage.
- Built and scaled the app team from zero to a recognized core unit within the company, now regarded as one of the most critical development teams, contributing directly to the company's strategic goals.

Full Stack Developer

June 2022 - April 2024

- Established and led the Design System team, driven by company investment, standardizing components across Angular, React, React Native, and Vue to boost productivity and team alignment.
- Implemented automated testing frameworks in the Open Insurance team, preventing 90% of regulatory delivery task bugs and reducing production issues, ensuring compliance and reliability.
- Developed a robust monorepo with Storybook documentation, enabling faster integration and reducing onboarding time for developers working on cross-platform components.

- Integrated Figma Tokens Studio with Git and Azure Pipelines, creating a seamless token management workflow that ensured real-time synchronization across design and development.
- Streamlined regulatory deliverables by automating repetitive tasks, increasing the team's productivity and enhancing the quality of deployments for Open Insurance compliance.

Stone

Full Stack Developer

Rio de Janeiro, BR

June 2021 - June 2022

- Developed a follow-up system for client management, increasing Stone's sales by 20% and becoming the primary tool for client engagement and retention.
- Developed a team availability system and competitive follow-up reassignment feature, streamlining scheduling for over 10,000 clients and enhancing operational agility across 250,000+ customer interactions, significantly boosting productivity and responsiveness.
- Engineered a scalable infrastructure to support over 10,000 requests per second with zero downtime, ensuring reliability during high-traffic periods.
- Pioneered the feature development process with 100% TDD and Clean Architecture, delivering a bug-free product and setting a quality benchmark for future projects.

Bullla

Full Stack Developer

São Paulo, BR

November 2020 - June 2021

- Converted the Bullla app from Cordova to React Native, drastically improving performance, stability, and user experience across platforms.
- Implemented advanced biometric security features such as FaceID, increasing user trust and securing sensitive operations.
- Developed a scalable backend architecture capable of handling high traffic with minimal downtime, ensuring uninterrupted service for end-users.
- Streamlined frontend components for better usability, leading to an improvement in app store ratings from 2 to 4 during the time of your contribution.
- Integrated automated testing workflows to enhance code reliability, reducing bugs reported in production and increasing team productivity.

Sociax

Full Stack Developer

São Paulo, BR

November 2020 - June 2021

- Designed and developed a stakeholder dashboard using Next.js and TypeScript, integrating with the Facebook API to provide detailed analytics and actionable insights.
- Rebuilt the backend architecture from scratch, reducing response times from 3 seconds to 200 milliseconds at maximum, significantly enhancing system performance.
- Implemented a robust and maintainable API layer, ensuring seamless communication between the dashboard and external services like Facebook.
- Optimized the backend database queries and infrastructure to handle increasing data loads without compromising performance or reliability.
- Collaborated closely with stakeholders to align development priorities with business objectives, delivering features that met client expectations and enhanced operational efficiency.

WEX

Full Stack Developer

São Paulo, BR

November 2020 - June 2021

- Developed and deployed full-stack features using Node.js and React.js, enhancing the platform's scalability and user experience.
- Executed tasks efficiently using Agile methodologies, such as Kanban and Scrum, ensuring alignment with team goals and project timelines.
- Mentored and supported junior developers, delegating tasks effectively and fostering skill growth within the team.
- Optimized database queries in MongoDB, significantly improving system response times and operational efficiency.
- Collaborated closely with cross-functional teams to ensure timely and high-quality delivery of project milestones.

Younner

Frontend Developer

Porto Alegre, BR

June 2019 - November 2020

- Collaborated with a Globo affiliate in Porto Alegre to develop the "Semana Farra ou Pilha" event website, integrating gamification features that enhanced user engagement.
- Designed and implemented interactive frontend components using React.js, creating a dynamic and responsive user experience for event participants.

- Partnered with cross-functional teams to ensure the seamless integration of design elements and gamification mechanics into the platform.
- Utilized Agile practices, such as Kanban, to manage and prioritize development tasks, ensuring timely delivery of project milestones.
- Optimized web performance by implementing efficient coding techniques, resulting in faster load times and a smoother user experience.

EDUCATION

Unipê - Centro Universitário de Joao Pessoa, João Pessoa
Bachelor of Computer Science (In Progress)

João Pessoa, BR
Graduation Date: January 2027

LANGUAGES

- English - Advanced
- Portuguese - Native Speaker