

Best Technology Talent For Companies Around The World



Felipe

Lead Full Stack Engineer

Summary

Full Stack Developer and Technical Leader with extensive experience delivering innovative projects in marketing, finance, healthcare, and e-commerce. Utilizing technologies like NodeJS, NestJS, React, Next.js, React Native and AI integrations, oversees the entire product development lifecycle, ensuring high-quality products and user engagement. Has successfully led initiatives such as advanced payment systems and financial analysis tools, focusing on scalability and collaboration. Passionates about fostering agile methodologies and best practices, thrive in fast-paced environments and am committed to making a positive impact through technology.

TECHNICAL SKILLS:

- Backend: Node.js, TypeScript, JavaScript, NestJS, Express.js, Koa, AdonisJS, Java, Spring, Spring Security, JPA, Hibernate, PHP, Laravel, CodeIgniter, Python, Flask, FastAPI, Django
- Frontend: React.js, Next.js, Angular, Ionic, Material UI, Tailwind CSS, Bootstrap, CSS, SASS
- Mobile: React Native, iOS, Android
- Databases & Search: PostgreSQL, MySQL, MariaDB, SQL Server, MongoDB, AWS DynamoDB, Elasticsearch, Redis, Memcached, pgvector
- Cloud & DevOps: AWS, GCP, Azure, AWS Lambda, EKS, ECR, Fargate, AWS SQS, Azure Functions, Azure Pipelines, Kubernetes, CI/CD, GitHub Actions, Bitbucket Pipelines, GitLab Pipelines
- Messaging & Distributed Systems: Kafka, RabbitMQ, BullMQ, AWS SQS, Redis
- AI & LLM: OpenAI, Anthropic, Open-Source LLMs, LangChain, LangGraph, RAG, Embeddings, Semantic Search, Vector Search, AI Agents, Agent Orchestration, Function Calling, MCP, Streaming, Prompt Engineering, LLM Evaluation, LLM Observability

- Architecture & Engineering Practices: Microservices, Serverless Architecture, Clean Architecture, DDD, BDD, TDD, Unit Testing, Spec-Driven Development
- Methodologies & Tools: Scrum, XP, Jira, Trello, GitHub, Bitbucket, GitLab

Professional Career

Senior, Lead Full Stack Engineer

May 2024 – June 2026 | Rio de Janeiro, Brazil

Project Info:

AI-powered marketing platform focused on lead discovery, customer engagement, and sales and marketing automation. Company later acquired by HubSpot.

Responsibilities:

- Custom LLM for discovery leads + OpenAI for chats (langchain, embedding, function calling)
- Leveraged NestJS as a framework for building scalable applications, employing TypeScript throughout for consistency and maintainability. Developed a robust API in a monorepo setup to facilitate streamlined communication between various processes
- Utilized Next.js for creating user-friendly interfaces, ensuring optimal performance and seamless integration with backend functionalities
- Implemented RabbitMQ for inter-system communication, enabling efficient handling of varying loads and enhancing application responsiveness
- Database Management: Employed PostgreSQL for reliable and efficient data storage, ensuring data integrity and performance
- Integrated OpenAI to enhance user support and information discovery, utilizing external APIs to provide intelligent assistance and insights
- Developed integrations with various market-leading CRMs and social media platforms for content delivery and discovery, enabling seamless interaction and improved user engagement

Software and technologies:

Node.js, TypeScript, NestJS, Python - FastAPI – LangChain, ReactJS - Next.js, Themed Material UI, React Native (IOS and Android), PostgreSQL, Redis, Mongo, BullMQ, RabbitMQ, Kafka, AWS

Senior Full Stack Developer

May 2023 – May 2024 | Rio de Janeiro, Brazil

Project Info:

Spearheaded the development of a project aimed at digitizing books into digital media for vulnerable populations, including incarcerated individuals and victims of violent acts. This initiative aims to provide access to educational resources and support rehabilitation

Responsibilities:

- Utilized NestJS to build a scalable and maintainable server-side application architecture, integrating a Postgres database to manage application data efficiently
- Deployed microservices using AWS Lambda to ensure serverless and scalable execution of functionalities
- Designed the UI utilizing Next.js and implemented a Material-UI-based design system to enhance user experience and accessibility
- Implemented various security measures in accordance with the HIPAA standards
- Established stringent information storage protocols required for U.S. government projects, leveraging a dedicated AWS environment tailored for NGOs
- Facilitated communication with the editorial component of the project using WordPress

Software and technologies:

Node.js, TypeScript, NestJS, Next.js, Themed Material UI, React Native, PostgreSQL, Redis, AWS, HIPAA

Senior Full Stack Developer

March 2022 – January 2023 | Rio de Janeiro, Brazil

Project Info:

Bank – Payment. Successfully developed and launched an AI-driven fraud detection product that significantly enhanced transaction security for clients. Working directly with VISA.

Responsibilities:

- Worked on the implementation of a new product that leverages AI for fraud detection, significantly improving the transaction security for our clients
- Designed and built the cloud infrastructure. This setup facilitated the efficient execution of serverless functions and streamlined the development workflow
- Initiated the project with a POC tailored for a single client. Following a successful implementation, the product was expanded to accommodate additional clients requiring advanced fraud detection and enhanced user interfaces
- Refactored both the backend and frontend to improve performance and scalability. The backend was optimized using queue systems, enhancing processing capabilities, while the frontend was developed using Tailwind CSS for a modern, responsive design

Software and technologies:

Node.js, TypeScript, PostgreSQL, React.js, Tailwind CSS, Azure (including block storage, Azure Functions, and Azure Pipelines), PCI-DSS (Payment Card Industry Data Security Standard)

Senior Full Stack Developer, Tech Lead

August 2019 – March 2022 | Rio de Janeiro, Brazil

Project Info:

Fast-growing e-commerce startup, contributing to the establishment of a scalable and high-quality application environment. The successful refactoring of the codebase and the expansion of the development team for successful entries into multiple Latin American markets.

Responsibilities:

- Joined the project as the first Brazilian hire in a small team of 7 Peruvian programmers, with a focus on refactoring the existing codebase to prepare for anticipated growth and enhance overall application quality
- Played a crucial role in leading the code refactoring initiatives, ensuring that the back-end architecture was optimized for scalability and maintainability as the company expanded
- Contributed to the expansion of the development team from 7 to 70 developers, setting a strong foundation for collaborative growth and knowledge sharing. I actively participated in and led efforts to adopt best practices such as CD/CI
- Leveraged AWS services to create a serverless architecture that supported scalable and efficient application performance. Designed systems to handle increased load with quality and stability.
- Ensured that the refactored codebase was robust enough to support the company's rapid growth and adaptability, aligning development practices to facilitate smooth expansion into new markets such as Brazil, Mexico, and upcoming plans for Colombia
- Involved in the hiring process, interviewing potential candidates to enhance the development team and contribute to a positive team culture

Software and technologies:

Node.js, TypeScript, React.js, Vue.js, AWS (Serverless architecture, Lambda, SQS)

Senior Full Stack Developer, Tech Lead

December 2018 – August 2019 | Rio de Janeiro, Brazil

Project Info:

Contributed to the development of a financial analysis system for a leading Brazilian bank specializing in home financing. My role pivoted around implementing the proof of concept (POC) and articulating the technical vision of the system's architecture and functionality.

Responsibilities:

- Utilized AWS Kubernetes (EKS) for robust cloud infrastructure management, ensuring scalability and efficiency

- Developed the frontend using ReactJS, focusing on delivering a user-friendly interface, while the backend was powered by Java Spring, incorporating Java Security and Hibernate for database management
- Delivered the POC successfully to the client, showcasing the system's capabilities and securing project approval
- Led an initiative to migrate developers skilled in JavaScript and ReactJS to Node.js, enabling broader skill sets and fostering a more versatile development team. This transition facilitated the creation of full-stack developers within the team
- Collaboratively worked with the team to achieve significant performance metrics, selling 7,500 homes per month through the newly developed financial analysis system. The shift to Node.js improved project delivery speed and consistency, demonstrating an agile response to client demands
- Implemented project management tools such as Trello and later transitioned to Jira, enhancing team organization and goal tracking. Actively participated in Scrum practices to improve project predictability and manage timelines effectively

Software and technologies:

ReactJS, React Native (with Redux), Java Spring (with Java Security and Hibernate), Node.js with Express, Kubernetes on AWS (EKS), Scrum methodology, Trello, Jira

Senior Full Stack Developer, Tech Lead

April 2015 – November 2018 | Rio de Janeiro, Brazil

Project Info:

Led the development of a comprehensive sales and rental management system for properties across the state of Rio de Janeiro, operating as a Software as a Service (SaaS) solution.

Responsibilities:

- Utilized PHP with CodeIgniter and Laravel for the backend, and MySQL for database management, creating a robust and scalable platform
- Spearheaded efforts that resulted in the highest number of sales in the system's 35-year history, earning multiple internal awards for achievement, notably accomplished with a compact team
- Managed a comprehensive system with over 12,000 unique properties, honing expertise in financial management, such as calculating fees, interest, and taxes related to real estate transactions

Software and technologies:

Node.js with Adonis, MongoDB, PHP with CodeIgniter and Laravel, Bootstrap, React.js

Full Stack Web/Mobile Developer

January 2006 – April 2015 | Rio de Janeiro, Brazil

Project Info:

Developed various applications across multiple sectors, including construction, naval, and automated shop systems.

Responsibilities:

- Engaged in both front-end and back-end development, contributing to versatile technology stacks
- Played a pivotal role in developing an event management system that handled participant registration, credentialing, and speaker management for large corporations in Brazil.
- Developed a self-service system that allowed guests to avoid queues, improving operational efficiency and serving about 45 guests per minute

Software and technologies:

PHP with a custom build framework, Node.js with Adonis, MongoDB, Bootstrap, React.js, Angular with Ionic

Education

2008 – 2012

UFF, Rio de Janeiro

Bachelor's Degree in Computer Science

Foreign Languages Skills

English: Upper-Intermediate

Portuguese: Native