

# BRUNO COSTA

Senior Full Stack Engineer

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## PROFESSIONAL SUMMARY

Senior Full Stack Engineer with an entrepreneurial background and a track record of architecting scalable web applications. Expert in modern JavaScript ecosystems (React, NestJS, Node.js) with extensive experience resolving complex performance bottlenecks, standardizing CI/CD pipelines, and driving product development from ideation to enterprise deployment. Recognized for collaborative leadership and mentoring to guide technical career progression and team growth.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript (ES6+), Java, SQL  
**Frontend:** React, Next.js, Tailwind CSS, Styled Components  
**Backend & Cloud:** Node.js, NestJS, Spring Boot, PostgreSQL, MongoDB, AWS  
**Tools & Design:** Figma, Electron

## PROFESSIONAL EXPERIENCE

### Tech Lead & Senior Software Engineer | BEES (AB InBev) Mar 2023 - Present

- Architected and sustained a global Micro-frontends ecosystem serving 22 countries, cutting deployment lead times from over 1 hour to minutes.
- Resolved critical React application from client-side crashes exceeding 4GB RAM by utilizing Chrome DevTools (Heap Snapshots, Performance monitoring) to profile and eliminate severe memory leaks, clearing thousands of zombie JSHeap objects and detached DOM nodes.
- Standardized the Backend-for-Frontend (BFF) layer using NestJS, enforcing proactive observability with New Relic to ensure zero-downtime CI/CD deployments.
- Award:** Top Performer (2025) – Recognized for technical excellence and impact.

### Co-Founder, Product Engineer & B2B Sales | Aurem Feb 2018 - May 2023

- Bootstrapped an assistive technology SaaS from ideation to revenue. Bridged engineering and B2B sales, directly prospecting and closing enterprise contracts with Brazilian universities like Unicamp, USF, and Inatel.
- Engineered a real-time captioning system. Prioritized Web Speech API for near-zero latency client-side transcription, falling back to Azure Speech-to-Text when required.
- Architected cloud infrastructure on AWS (EC2, S3, Lambda) to manage real-time data processing and ensure high availability for accessibility services.
- Executed a product pivot based on direct user feedback: built a desktop application using Electron and WebSockets to stream browser-generated captions to a global floating OS window.
- Owned end-to-end UI/UX, designing interfaces in Figma and building the frontend from scratch using React and Styled Components.

### UI/UX Designer | Verzel Dec 2021 - Aug 2022

- Owned UI/UX design across multiple projects, bridging the gap between visual design and frontend execution for sectors including car rental and blockchain.

### Software Developer Intern | Neoenergia May 2021 - Nov 2021

- Automated manual reporting workflows by developing custom React/TypeScript dashboards, entirely replacing legacy Excel-based processes.

## EDUCATION & ACHIEVEMENTS

### Bachelor of Science in Control and Automation Engineering | Inatel Feb 2017 - Jul 2022

- Empreenda Santander Prize (2019):** National winner for innovation with the Aurem SaaS project.