

Jose Caio Frota

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with over 15 years of hands-on experience designing, building, and maintaining backend services, full-stack web applications, APIs, and system integrations. Works across architecture, implementation, data access, automated testing, and CI/CD with TypeScript/JavaScript, Java, SQL, Node.js, Spring Boot, React, and Angular.

Career progression from software development intern to Senior Software Engineer and Integration Tech Lead. Technical leadership, mentoring, healthcare interoperability, and university teaching complement a primary focus on reliable, maintainable software.

TECHNICAL SKILLS

Software Engineering: Backend development, Full-stack web applications, API design and development, System integration, Software architecture, Automated testing, CI/CD, Code review

Languages: TypeScript / JavaScript (10+ years), Java (10+ years), SQL (10+ years), Python (5 years)

Backend & Web: Node.js, Spring Boot, Hibernate, React, Angular, HTML5 (10+ years), CSS (10+ years), Tailwind CSS (5 years)

Data & Integration: PostgreSQL (Postgres), MySQL, Oracle / PL/SQL, MongoDB, Firebase, ETL, Mirth Connect, HL7, FHIR, cURL, Postman, Insomnia

Cloud, Delivery & Tooling: AWS, Google Cloud (GCP), Docker, Kubernetes, GitHub Actions, Jenkins, GitLab CI, Git, GitHub, GitLab, Bitbucket

PROFESSIONAL EXPERIENCE

Integration Tech Lead

Medome | Remote - Full-time (Florida, USA) | Aug 2023 - Aug 2026 (3 yrs)

- Designed and delivered APIs and integration solutions connecting healthcare systems and enterprise platforms, with a focus on interoperability and data exchange.
- Implemented automated tests and CI/CD pipelines for Mirth Connect to strengthen reliability, code quality, and repeatable delivery in the integration layer.
- Led the integration team, established development practices, and mentored engineers as the solutions evolved.

Senior Software Engineer

Medome | Remote - Full-time (Florida, USA) | Aug 2021 - Aug 2023 (2 yrs)

- Developed and maintained enterprise web applications, backend services, APIs, and system integrations with TypeScript, Node.js, React, and SQL.
- Established integration patterns and development practices for Mirth Connect, HL7, and FHIR.

Senior Software Engineer

CF Inova Tech | Remote - Full-time (CE, Brazil) | Oct 2018 - Aug 2021 (2 yrs and 10 mos)

- Designed and developed full-stack web applications and APIs across backend, frontend, data access, and system integration.
- Worked with TypeScript, Java, Spring Boot, Hibernate, Angular, React, SQL / PL/SQL, ETL, relational databases, MongoDB, and Firebase.
- Applied code standards, peer reviews, and maintainable development practices.

Senior Software Engineer

M. Dias Branco | Full-time - Fortaleza, CE, Brazil | Jun 2012 - Oct 2018 (6 yrs and 5 mos)

- Developed and maintained full-stack enterprise applications with Java, Spring Boot, Hibernate, Oracle / PL/SQL, TypeScript, Angular, and React.
- Implemented complex business rules for a Profit-Sharing project within a payroll system serving more than 20,000 employees.

Semi Senior Software Developer

M. Dias Branco | Full-time - Fortaleza, CE, Brazil | Oct 2010 - Jun 2012 (1 yr and 8 mos)

- Developed and maintained backend and frontend features for enterprise applications.

Junior Software Developer

M. Dias Branco | Full-time - Fortaleza, CE, Brazil | Apr 2009 - Oct 2010 (1 yr and 6 mos)

- Developed and maintained internal systems and contributed to corporate software projects.

Software Developer Intern

M. Dias Branco | Full-time - Fortaleza, CE, Brazil | Apr 2008 - Apr 2009 (1 yr)

- Supported application development and maintenance before being promoted to a full-time developer role.

ADDITIONAL EXPERIENCE

University Professor

Estácio University | Brazil | Mar 2026 - Present

- Plans and teaches undergraduate courses in Information Technology, software development, information security, programming, and data analysis.
- Develops activities and assessments and guides students through academic and practical projects.

EDUCATION

Estácio University

- MBA in Artificial Intelligence - 2025 - In progress
- BSc in Computer Science - 2020 - 2024
- PGDip, Big Data, Business Intelligence and Analytics Applied to Business - 2021 - 2024
- AS, Systems Analysis and Development - 2015 - 2017

CERTIFICATIONS

- Oracle Certified Professional, Java SE 6 Programmer - 2011 (Oracle)
- DevOps Essentials - 2020 (4linux)

LANGUAGES: Portuguese (native) | English (fluent, professional working proficiency) | Spanish (limited working proficiency)