



# Ricardo F Teixeira

- 📍 [Brazil - SP](#)
- 🔧 [Full Stack Engineer](#)
- 📅 [20 years of experience](#)
- ✉️ [ricardo85x@gmail.com](mailto:ricardo85x@gmail.com)
- 🌐 [ricardo85x](#)
- 📄 [portfolio.ricardoft.dev](https://portfolio.ricardoft.dev)

## About me

Seasoned **Software Engineer** with a rich tapestry of **20 years of experience** in software development.

Proficient in various operating systems, including macOS, Linux, and Windows, my career has been defined by a passion for creating applications and system integrations using a multitude of technologies.

Throughout my journey, I've demonstrated mastery in technologies such as **Python, Node, React, PHP, Ruby, Ruby on Rails, Perl, TCL, Java, Spring Boot, Kotlin, Swift, Bash, C++**, and more. My commitment to staying at the forefront of technological advancements led me to delve into the intricacies of the financial market in 2020, where I applied my skills to create sophisticated bots using MQL, Python, and the Profit Chart native language.

In 2021, I expanded my expertise to encompass the development of **secure** and decentralized applications (**dApps**), immersing myself in technologies like **React, Next, TypeScript**, and Ethereum's **Solidity** for **smart contracts**.

In 2022, I served as a Tech Lead and Full Stack Engineer at Hero99, where my expertise in **NestJS, NextJS, Python, Quarkus, and Kotlin** played a central role. In this position, I not only led and inspired a development team, but also actively integrated cutting-edge **security practices** into our software development lifecycle. My responsibilities emphasized creating a secure coding environment, ensuring the robustness of applications against potential threats, and promoting an atmosphere of continuous learning and improvement in security and development practices.

In 2024, I held the position of **Full Stack Engineer and DevSecOps** at Yssy, where I was responsible for developing **secure** applications and strengthening the bridges between **development, operations, and security**. My role was crucial in incorporating **security practices** from the initial phases of **software development** through to production, ensuring the **ongoing**

security of our applications.

Currently, I am a Partner / Full Stack Engineer and DevSecOps at a confidential company, where I lead and am responsible for the development of scalable and secure applications using Angular 18, Spring Boot 3, and Ruby on Rails 8. Additionally, I am responsible for architecture, deployment automation, implementing secure CI/CD pipelines, and mitigating vulnerabilities. I also define and apply security best practices throughout the software development lifecycle, ensuring continuous protection for our applications and cloud infrastructure. I am eager to apply my experience. My goal is to contribute to innovative projects that prioritize secure, cutting-edge technological solutions.

## Current Status

- CTO in a confidential company
- Pursuing a postgraduate degree in Cybersecurity at FIAP
- Reading the book Software Architecture: The Hard Parts
- Studying data structures and algorithms

## Skills

AWS Agile Software Development AlertManager Angular Azure AKS Azure Devops Bash Buffer Overflow CSS3 Chakra UI Clean Code Context Api Cypher Language DevSecOps Devops Django Docker Ethers.js Eureka GIT Google Cloud Grafana HardHat Hotwire Immunity Debugger Integration Test Javascript Jenkins Jotai Kubernetes Linux MQL - Metatrader Expert Advisor MSSQL Machine Learning Material UI Metasploit Micro Frontends Micro Services Mockito MongoDB MySQL Neo4j NextJS NoSQL Nuxt OpenFeign PHP Perl Pentest PostgreSQL Postman/insomnia PromQL Prometheus Python RabbitMQ REDIS REST React RedMine Redux Regex Resilience4j Ruby Ruby on Rails Scrum Shell Solidity Software Architecture Spring Boot 3 Stimulus TerraForm TypeScript Unit Test Vue Web MVC Windows Yii 2 Framework dApp macOS

## Experience

- Confidential Company - 2024 - Present - São Paulo

### CTO

Angular 18 BEM CSS pattern CI/CD Cloud Security Deployment Automation DevSecOps Docker Hotwire Kubernetes Mobile First Pentest Ruby on Rails 8 Software Architecture Spring Boot 3 Stimulus Tailwind CSS

- Full Stack development with Angular 18, Spring Boot 3, and Ruby on Rails 8
- Design of mobile first applications
- Management and implementation of secure CI/CD pipelines
- Continuous monitoring and mitigation of web application vulnerabilities
- Architecture and development of scalable and secure solutions
- Automation of deployments and infrastructure management
- Definition and implementation of security best practices in the development lifecycle

- Cloud infrastructure management
- Conducting security testing and source code audits
- **Yssy** - 2024 - São Paulo

### Full Stack Engineer and DevSecOps

Azure DevOps DevOps GitLab Jenkins Kubernetes MSSQL NestJs NextJs Pentest Snyk Veracode

- Front-End Development using NextJs
- Back-End Development using NestJs
- Integrate security practices
- Creating secure CI/CD pipelines in Azure DevOps
- Creating secure CI/CD pipelines in Jenkins
- Identification, assessment, and remediation of vulnerabilities
- Creation of risk reports
- Pentests

- **Hero99** - Jun 2022 - Mar 2024 - Remote

### Full Stack Developer

AWS Bash CI/CD Docker EasyPost GetNet Git Google Drive Jotai Keycloak Kotlin Linux Material UI Mysql NestJS NextJS PagarMe Prisma Python Quarkus Scrum Stripe TypeOrm

#### • **Warehouse Project**

In this project I worked on a warehouse system

The objective was to manage the stock and enable the customization of products.

My main role was full stack engineer.

- Front-End development with NextJs
- Back-End development with NestJs
- Imaging processing solution with Python's Tesseract
- PDF Scraping using python
- NestJS integration with Adobe scripts
- Use of agile Scrum methodology
- Deployment using Docker and Github Actions
- Development with Google Drive and AWS APIs
- Daily meeting in English

#### • **Payment Processor Project**

In this project I worked on a payment processor system

My main role was full stack engineer, and tech lead

- Front-End development with NextJs
- Back-End development with NestJ
- Use of agile Scrum methodology
- Deployment using Docker and Github Action
- Legacy system converted from PHP to NestJs

#### • **Sport Tournament Project**

In this project the goal was to manage a tournament.

We allow user to join the event as player, referee, coach and club director.

They can all create an tournament, invite new members or use the members we already have registered.

My main role was full stack engineer and tech lead

- Front-End development with ReactJs, Redux, React Query
- Microservices Back-End with Quarkus with Kotlin
- **Electronic Graphics** - Feb 2010 to Feb 2020 - São Paulo

### Full Stack Developer

Angular Apple Script Bash C C# C++ Centos OS Dalim ES Dalim Twist Elasticsearch Git  
GitBucket Github Gog HeartBeat Java Linux Cluster Mac Os Mysql Node Oracle PHP  
Peace Maker Perl PostgreSQL Python ReactJS RedHat Ruby SVN Suse Linux Swift TCL  
Ubuntu Windows Xinet DAM Yii

- Web apps with React/Node, Php/Yii, Angular, Python/Django, Java/Spring Boot
- Installation and configuration of Linux servers
- Creation and configuration of high availability cluster with heartbeat and pacemaker
- Scripts in python, ruby, perl, tcl, bash
- File watcher in c++
- IOS app in Swift
- Android app in Java
- Integrations with Dalim Twist/ES
- Integrations with Xinet DAM

- **Electronic Imaging Integration** - Jun 2006 to Feb 2010 - São Paulo

### Developer

Apple Script Bash Gog (git) Mysql PHP Perl PostgreSQL RedHat Ruby SVN Suse Linux TCL  
Ubuntu Windows macOS php

- System integrations
- Scripts in perl, tcl, ruby, bash and apple script
- Desktop App written in Perl TK
- Company website
- PHP Web apps

## Education

- **Postgraduate in Cybersecurity** - FIAP - Apr 2024 to Feb 2025

<https://postech.fiap.com.br/curso/offensive-cyber-security-red-team-ops/>

Cybersecurity Ops Red Team

Cybersecurity, Red Team, and Ops Course

- **Beginner Actor Training** - 2nd Semester of 2024

<https://macunaima.com.br/cursos/curso-teatro-e-aula-para-ator-e-atriz-iniciante-presencial-em-sp/>

[static/pdfs/CERTIFICADO\\_TEATRO\\_MACU.pdf](#)

Acting Techniques Body Expression Creative Development Theatrical Interpretation

Training course for beginner actors, covering fundamental theatrical techniques for the development of body expression, interpretation, and stage presence.

- **Theater for Executives** - 2nd Semester of 2024

[https://www.sp.senac.br/cursos-livres/curso-de-teatro-para-executivos-static/pdfs/CERTIFICADO\\_TEATRO\\_EXECUTIVOS.pdf](https://www.sp.senac.br/cursos-livres/curso-de-teatro-para-executivos-static/pdfs/CERTIFICADO_TEATRO_EXECUTIVOS.pdf)

Body Expression Creativity Leadership Proactivity Public Speaking Spontaneity Teamwork Verbal and Non-Verbal Communication

Course aimed at corporate professionals, business owners, and entrepreneurs, focusing on the development of verbal and non-verbal communication, public speaking, creativity, teamwork, spontaneity, and leadership.

- Graph Database: Neo4j with Spring Boot - Nov 2024 to Dec 2024

<https://www.udemy.com/course/graph-database-neo4j-with-java-spring-boot-nosql-cypher-query-graphdb/>

<https://www.udemy.com/certificate/UC-e6fcccd5-e25a-4427-b4fe-a5356be68a1c/>

Cypher Query Language Graph Databases Neo4j Spring Boot

Course on graph databases using Neo4j with Java and Spring Boot, covering CRUD operations, Cypher queries, and integration with Java applications.

- Software Architecture & Modern System Design - Sep 2024 to Oct 2024

<https://www.udemy.com/course/arquitetura-de-software-design-de-sistemas-modernos/>

<https://www.udemy.com/certificate/UC-fbe5ae4a-de0a-434f-9a4c-d9dd0364bbcf/>

Automation CI/CD Distributed Systems High Availability Messaging Modularity NoSQL Orchestration Resilience SQL Scalability Transactions

Software Architecture and Modern Large-Scale System Design

- Microfrontends with React: A Complete Developer's Guide - Sep 2024 to Oct 2024

<https://www.udemy.com/course/microfrontend-course/>

<https://www.udemy.com/certificate/UC-21f0d99f-d817-4bf0-88fd-43172fdf2ba7/>

CI/CD Microfrontends Module Federation ReactJS VueJS

Build incredibly scalable applications with a microfrontend architecture

- Monitoring with Prometheus, Grafana, and Alertmanager - Aug 2024

<https://cursos.alura.com.br/course/monitoramento-prometheus-grafana-alertmanager>

<https://cursos.alura.com.br/user/ricardo85x/course/monitoramento-prometheus-grafana-alertmanager/certificate?lang=en>

Alertmanager Grafana Monitoring Prometheus

Course on monitoring systems using Prometheus, Grafana, and Alertmanager

- Observability with Prometheus - Aug 2024

<https://cursos.alura.com.br/course/observabilidade-prometheus>

<https://cursos.alura.com.br/user/ricardo85x/course/observabilidade-prometheus/certificate?lang=en>

Monitoring Observability PromQL Prometheus

Course on observability and monitoring systems with Prometheus

- **Microservices in Practice: Messaging with RabbitMQ - Aug 2024**

<https://cursos.alura.com.br/course/microservicos-pratica-mensageria-rabbitmq>

<https://cursos.alura.com.br/user/ricardo85x/course/microservicos-pratica-mensageria-rabbitmq/certificate?lang=en>

Cluster Dead Letter Messaging Microservices RabbitMQ

Course on messaging and microservices implementation with RabbitMQ in Spring Boot

- **Microservices: Implementing with Java and Spring - Aug 2024**

<https://cursos.alura.com.br/course/microservicos-implementando-java-spring>

<https://cursos.alura.com.br/user/ricardo85x/course/microservicos-implementando-java-spring/certificate?lang=en>

Eureka Java Microservices OpenFeign Resilience4j Resilience4j Spring Boot

Course on implementing microservices with Java and Spring

- **Spring Boot 3 - Develop a REST API in Java - Aug 2024**

<https://cursos.alura.com.br/course/spring-boot-3-desenvolva-api-rest-java>

<https://cursos.alura.com.br/user/ricardo85x/course/spring-boot-3-desenvolva-api-rest-java/certificate?lang=en>

Java REST API Spring Boot

Course on developing REST APIs with Spring Boot 3

- **Spring Boot 3 - Document, test, and prepare API for deployment - Aug 2024**

<https://cursos.alura.com.br/course/spring-boot-3-documente-teste-prepare-api-deploy>

<https://cursos.alura.com.br/user/ricardo85x/course/spring-boot-3-documente-teste-prepare-api-deploy/certificate?lang=en>

Deployment Documentation Mockito Spring Boot Testing

Course on documenting, testing, and preparing REST APIs for deployment with Spring Boot 3

- **Spring Boot - Apply best practices and protect REST API - Aug 2024**

<https://cursos.alura.com.br/course/spring-boot-aplique-boas-praticas-proteja-api-rest>

<https://cursos.alura.com.br/user/ricardo85x/course/spring-boot-aplique-boas-praticas-proteja-api-rest/certificate?lang=en>

API Security Best Practices Spring Boot

Course on applying best practices and securing REST APIs with Spring Boot

- Kubernetes: Practicing and Ensuring Application with LivenessProbe - Jul 2024

<https://cursos.alura.com.br/course/kubernetes-praticando-garantido-aplicacao-livenessprobe>

<https://cursos.alura.com.br/user/ricardo85x/course/kubernetes-praticando-garantido-aplicacao-livenessprobe/certificate?lang=en>

Health Check Kubernetes LivenessProbe

Learn to use LivenessProbe in Kubernetes to ensure application health.

- Kubernetes: Deployments, Volumes and Scalability - Jul 2024

<https://cursos.alura.com.br/course/kubernetes-deployments-volumes-escalabilidade>

<https://cursos.alura.com.br/user/ricardo85x/course/kubernetes-deployments-volumes-escalabilidade/certificate?lang=en>

Deployments Kubernetes Scalability Volumes

Learn to configure Deployments, manage Volumes, and scale applications in Kubernetes.

- Kubernetes: Pods, Services and ConfigMap - Jul 2024

<https://cursos.alura.com.br/course/kubernetes-pods-services-configmap>

<https://cursos.alura.com.br/user/ricardo85x/course/kubernetes-pods-services-configmap/certificate?lang=en>

ConfigMap Kubernetes Pods Services

Learn to manage Pods, Services, and ConfigMap in Kubernetes.

- Pipeline CI with Jenkins and Docker - Jun 2024 to Jul 2024

<https://cursos.alura.com.br/course/pipeline-ci-jenkins-docker>

<https://cursos.alura.com.br/user/ricardo85x/course/pipeline-ci-jenkins-docker/certificate?lang=en>

CI/CD Docker Jenkins

Learn to configure a CI pipeline with Jenkins and Docker.

- TryHackMe's DevSecOps Path - Mar 2024 a Maio 2024

<https://tryhackme.com/path/outline/devsecops>

<https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-GWXOLUHWXN.png>

DAST DevSecOps Devops Docker GitLab IaC Jenkins Kubernetes SAST SCA Terraform Vagrant

Learn how to secure modern software development environments with hands-on learning around secure deployments, CI/CD and automation security.

- Bootcamp DevOps - Jan 2024 a Fev 2024

<https://www.udemy.com/course/devops-bootcamp-trilha-de-aprendizado->

## rapido-all-in-one

<https://www.udemy.com/certificate/UC-ef055ab7-54dc-40e8-af27-71acac1b8d3a/>

Devops Docker GitLab Kubernetes Terraform Vagrant

DevOps Straight to the Point with Practical Day-to-Day Projects [CI/CD, IAC, Docker, etc.]

- Generative AI with AWS - Jan 2024 to Feb 2024

<https://www.betrybe.com/cursos/bootcamp-gratuito-aws-ia-generativa>

<https://www.betrybe.com/badges/D87BD8213C42>

Amazon Bedrock Amazon CodeWhisperer Amazon Inferentia Amazon SageMaker

Master the key Generative Artificial Intelligence tools developed by AWS.

- Machine Learning in Python with Scikit-learn - Dez 2023 to Jan 2024

<https://www.udemy.com/course/aprenda-machine-learning-em-python-com-scikit-learn/>

<https://www.udemy.com/certificate/UC-291c0478-3e6e-423e-82f2-953b1dd06e42/>

Machine Learning Python Scikit-learn

Take your first steps in the field of Artificial Intelligence with Machine Learning in Python 3 and Scikit-Learn.

- Clean Code - Dez 2023 to Jan 2024

<https://www.udemy.com/course/writing-clean-code/>

<https://www.udemy.com/certificate/UC-d2eccd0d-0023-49e4-8d77-4768e32221f5/>

Clean Code

Learn how to write readable, understandable and therefore maintainable code - step by step, in an example-driven way.

- Scrum for software developers (2022) - Jan 2022 to Mar 2022

<https://www.udemy.com/course/scrum-para-desenvolvedores/>

<https://www.udemy.com/certificate/UC-99c88658-efc5-44c8-a162-8073c65d30b3/>

Agile Scrum

Discover SCRUM and learn agile development, with a total focus on software development teams.

- Ignite 2019-2023 - Jan 2021 to Aug 2021

<https://rocketseat.com.br/ignite>

<https://app.rocketseat.com.br/certificates/f0f81fe7-9fe3-4408-bbda-4d3d51a196b4>

Deploy NextJS ReactJS Tests

Ignite is an acceleration program for devs, focused on preparing complete professionals for the market, training technical and behavioral skills in an intensive and practical way. Ignite is divided into non-dependent knowledge paths where we delve into a specific technology.

- **Ethereum Blockchain Developer Bootcamp With Solidity (2021)** - Jan 2021 to Mar 2021

<https://www.udemy.com/course/blockchain-developer/>

<https://www.udemy.com/certificate/UC-7b2651d4-0cfe-44b2-b36e-e436f41d0809/>

Ganache ReactJS Solidity Truffle Web3

At 13+ hours, this Ethereum blockchain development course is undoubtedly the most comprehensive course of its kind anywhere online.

- **Nodejs express - unit testing/integration testing with jest (2021)** - Jan 2021 to Mar 2021

<https://www.udemy.com/course/nodejs-unit-testing-and-integration-testing-with-express-and-jest/>

<https://www.udemy.com/certificate/UC-f9ee0480-255d-41ce-8563-836ca7d91902/>

NodeJS TDD

Build a full CRUD REST API with Nodejs using TDD in Jest in JavaScript, with unit testing and integration test

- **Try Django 2.2 - Web Development with Python 3.6 (2021)** - Jan 2021 to May 2021

<https://www.udemy.com/course/try-django-2-2-python-web-development/>

Django Python

Learn by doing in building a Web Application with Python #1 Web Framework: Django.

- **Developing Smart contracts with Solidity (2021)** - Jan 2021 to Jan 2021

<https://www.udemy.com/course/developing-smart-contracts-with-solidity/>

<https://www.udemy.com/certificate/UC-cac0ad97-4098-44e4-85c7-3a48bcada345/>

Solidity

Learn how to develop smart contracts and DApps on the Ethereum Network using solidity.

- **TNT - Portal Do Trade** - Mar 2020 to Dez 2020

<https://portaldotrader.com.br/plano-tnt>

Day trade Meta Trader Position trade Swing trade

Learn Day Trade, Swing Trade and Position Trade using candlestick and tape reading

- **BootCamp GoStack** - Jun 2019 to Set 2019

<https://pages.rocketseat.com.br/inscricao-class>

<https://app.rocketseat.com.br/certificates/d3e0d4e7-d9b4-4b6f-a0d8-3927a8419e16>

Deploy Express NodeJS ReactJS ReactNative

Complete ReactJS, React Native and NodeJS course for experienced developers.

- Computer Science - Jan 2004 a Dez 2009

<https://web.archive.org/web/20111222061824/http://www.faculadademodulo.com.br/>

[https://portfolio-ricardo85x.vercel.app/static/images/certification/modulo\\_certification.jpg](https://portfolio-ricardo85x.vercel.app/static/images/certification/modulo_certification.jpg)

Computer Science

Graduation on Computer Science.

## Projects

- Flow Drama

<https://flowdrama.com>

Angular 18 i18n

Flow Drama is a project designed to support actors and actresses on their journey in the world of theater. Through practical exercises, the app helps artists improve their skills and deepen their connection with the craft of acting.

- OpenPandoraBox

<https://github.com/ricardo85x/OpenPandoraBox>

Context Api Java React React Native typescript

OpenPandoraBox is an android emulator frontend with the main focus on Pandora Box 3D, an arcade table

- dApp Inn

<https://dapp-inn.vercel.app>

<https://github.com/ricardo85x/dappInn>

Context Api HardHat NextJS OpenZeppelin Solidity TypeScript Unit Tests

In this app you can rent a room for a period of time and buy service items. You can leave before the check-out period or be kicked when the period is over.

- Tokenize

<https://ricardo85x.github.io/tokenize-dapp>

<https://github.com/ricardo85x/tokenize-dapp>

Context Api HardHat NextJS OpenZeppelin Solidity TypeScript Unit Tests

It is a token sale where the administrator can generate tokens and invite others to buy. The user can buy the invitation to join the club, or create a token and become the administrator

- Address Book

<https://ricardo85x.github.io/addressbook-dapp/>

<https://github.com/ricardo85x/addressbook-dapp>

Context Api HardHat NextJS Solidity TypeScript Unit Tests

A minimalist address book

- Smart Music Notes

<https://smart-music-notes.vercel.app>

<https://github.com/ricardo85x/smart-music-notes>

Abc Notation AbcJs Context Api NextJS TypeScript

An App to help you memorize the position of the music note on the staff

- Ig.News

<https://ignews-ricardo85x.vercel.app/>

<https://github.com/ricardo85x/08-ignews>

Context Api NextJS TypeScript faunaDB github-auth prismic stripe

An app made while on Ignite class In this App we login using github, pay for a service subscription using stripe, save the data in the faunaDB database and get the content from prismic

- Super Crypta - Cryptocurrency Portfolio

<https://supercrypta.github.io/supercrypta>

Coinmarketcap Native app Rest Api Swift macOS

Application for macOS for cryptocurrency management. With a beautiful interface, easily track your portfolio. Track the growth of your wallet and receive alerts about highs and lows.

- Meu TradingPlan

<https://meutradingplan.pythonanywhere.com>

Cache Django FlexBox JSONB MySQL Panda Python Stripe

Tool for those who operate Day Trade, Swing Trade and Position Trade on the stock exchange. Plan your operations and track your goals Create strategies and motivational phrases to help you stay on plan