



Cássio F. B. de Souza

SOFTWARE DEVELOPER · FULLSTACK

Rio de Janeiro, Fed. Rep. of Brazil

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“Special cases aren’t special enough to break the rules.”

Education

CEFET/RJ(Centro Federal de Educação Tecnológica Celso Suckow da Fonseca)

B.S. IN COMPUTER SCIENCE

Rio de Janeiro, Brazil

Aug. 2018 - PRESENT

Skills

DevOps AWS, Docker, Heroku, Vercel, Netlify, Cloudflare Pages

Backend Laravel, NestJS, Express, Django, FastAPI, Prisma, TypeORM, Knex.js, MySQL, Redshift, Redis

Frontend Angular, React, NestJS, Gatsby, Hugo, Jekyll, HTML5, LESS, SCSS, CSS, Bootstrap

Programming PHP, Node.js, Python, JAVA, C++, C, LaTeX

Languages Brazilian Portuguese, English

Experience

CEFET/RJ

COMPUTATIONAL ALGORITHMS PROJECT MONITOR

- Taught about program implementation in C, C++ and Python Languages.
- Taught about basic data structures (array, matrix and queue).
- Helped teacher with tasks.

Rio de Janeiro, Brazil

Aug. 2019 - Aug. 2020

CEFET/RJ

DISCRETE MATHEMATICS MONITOR

- Taught about Set Theory, functions, graphs and others topics.
- Helped teacher with tasks.

Rio de Janeiro, Brazil

Aug. 2020 - Feb. 2021

Bluemoon Co., Ltd.

FRONTEND DEVELOPER

- Designed and developed several forms pages in corporation CRMs using Angular, HTML and SASS with Backend integration.
- Developed several Frontend validators for data handled by forms.

Rio de Janeiro, Brazil

Jun. 2021 - Jul. 2021

Bluemoon Co., Ltd.

FULLSTACK DEVELOPER

- Handled all tasks from above job.
- Developed several new Backend features using NestJS, Knex.JS, TypeORM, Prisma and MySQL.
- Developed several external API integrations with Backend and Frontend.
- Designed and developed several dashboards for the corporation CRMs.
- Designed, developed and deployed several MySQL databases.
- Managed database performance and backups.
- Developed several CRONs (scheduled jobs).
- Developed CRM integration with corporation communication media (Slack and WhatsApp).
- Helped in a web crawler development written on python.
- Helped in CRMs CI/CD configuration using Heroku, Vercel, AWS and Docker.

Rio de Janeiro, Brazil

Jul. 2021 - Aug. 2022

ONErpm Ltd

FULLSTACK DEVELOPER

- Dockerized Backend and Frontend systems.
- Refactored Angular projects for dependency upgrades.
- Developed various Frontend features using Angular and styling with CSS, SCSS and Bootstrap.
- Developed various Backend features using Laravel, MySQL, Redshift and Redis.

São Paulo, Brazil

Feb. 2023 - PRESENT

Certificates

Aug. 2020 Responsive Web Design , FreeCodeCamp	Online Organization
Sep. 2020 JavaScript Algorithms and Data Structures , FreeCodeCamp	Online Organization
Sep. 2020 Front End Development Libraries , FreeCodeCamp	Online Organization
Jul. 2020 Python , Kaggle	Online Organization
Jul. 2020 Pandas , Kaggle	Online Organization
Jan. 2020 Intro to Machine Learning , Kaggle	Online Organization
Jan. 2020 Intermediate Machine Learning , Kaggle	Online Organization
Jan. 2020 Data Visualization , Kaggle	Online Organization

Honors & Awards

2012 Bronze Medal , Mathematical Challenge - Desafio Sistema Elite de Matemática	Rio de Janeiro, Brazil
2013 Honorary Mention , OBMEP - Brazilian Mathematical Olympiad	Brazil
2014 Golden Medal , OBA - Brazilian Astronomy Olympiad	Brazil
2015 Golden Medal , OBA - Brazilian Astronomy Olympiad	Brazil
2016 Golden Medal , OBA - Brazilian Astronomy Olympiad	Brazil
2016 Silver Medal , OBFEP - Brazilian Physics Olympiad	Brazil
2017 Golden Medal , OBA - Brazilian Astronomy Olympiad	Brazil
2017 Silver Medal , OBMEP - Brazilian Mathematical Olympiad	Brazil

Writing

Cássio Souza

DEVELOPER & WRITER

- Personal and blog where I write about my hobbies.

[Personal Website](#)

Jun. 2023 - PRESENT

Técnicas de Aprendizado de Máquina para Predição de Desvio Fotométrico

UNDERGRADUATE THESIS

- Undergraduate thesis where is explored the use of AI for redshift estimation.

[Rio de Janeiro, Brazil](#)

Aug. 2021 - Aug. 2022