



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
Sep. 2020 **JavaScript Algorithms and Data Structures**, FreeCodeCamp
Sep. 2020 **Front End Development Libraries**, FreeCodeCamp
Jul. 2020 **Python**, Kaggle
Jul. 2020 **Pandas**, Kaggle
Jan. 2020 **Intro to Machine Learning**, Kaggle
Jan. 2020 **Intermediate Machine Learning**, Kaggle
Jan. 2020 **Data Visualization**, Kaggle

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Honors & Awards

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

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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](#)