Pedro de Souza Queiroga

Software Engineer

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Academic experience at Universidade Federal de Pernambuco

Aug 2018 — Jul 2020
Undergraduate Research Fellow (CNPq).
Undergraduate research fellowship at CNPq, research project on code comprehension in JavaScript. Contributed to the published article: An Investigation of confusing code patterns in JavaScript.

Professional experience

Nov 2021 — May 2024
Software Engineer, *Full time*, Centro de Estudos e Sistemas Avançados de Recife.
I developed systems for the web, with emphasis on frontend using Angular; I've developed gitlab CI/CD pipelines for company projects; Suggested and integrated marge-bot in gitlab repositories for our projects; Developed for the backend using Spring Boot, MySQL; Developed terraform scripts to orchestrate amazon AWS deployments; Worked with many AWS products, mainly configuring CloudFront and S3 to serve SPAs; Collaborated with international teams and delivered clear presentations in English

Oct 2020 — Nov 2021
Software Engineer, *Internship*, FAST Soluções.
Gained work experience in TypeScript, Angular, Java, Spring Framework and Amazon AWS; Did some automation with Bash and Python to help ease the experience of incoming colleagues; Was a part in developing stronger documentation methods; Tutored colleagues on reactive programming with rxjs and Angular, including showing and discussing how to solve some concurrency issues we were having.

Projects (title contains link)

Chat
Chat with account creation, authentication, friendship list, offline/online status and seen confirmation on messages. Stack: Java, MySQL. Coursework for Communication's Infrastructure.

Code Judge
Online Judge for competitive programming. Coursework for Systems and Software Engineering. Stack: Go, React, Selenium.

Object Rendering
Program that renders objects and allows to rotate them in any of the three axis. Coursework for Graphics Processing. Made in JavaScript, a version using canvas and another WebGL.

Anota
Android App that reads the QR code emitted by invoices in Brazil. Compares price for the same list of items in others supermarkets. Coursework for Project Development. Native android and Firebase were used.

Chess bot
Haskell chess bot, coursework for Functional Programming. Implements minimax with some pruning. Allows player vs player, CPU vs player and CPU vs CPU.

Chatbots
Discord chatbots, one using node.js and another in Python. Personal projects, created to interact with friends in a server. Plays tic-tac-toe and also allows users to request songs, implementing a queue for each server.

Skills

My best ones	My good ones	Familiar with
Angular, Git, TypeScript, Java, Python, HTML, CSS	Elixir, Phoenix, Amazon AWS, C, SQL, Haskell, Node, React, Spring	Android, Arduino UNO, Django, Flask, Go, Heroku, MongoDB, React Native, Scala

Languages

English (advanced), Portuguese (native)