

# Gabriel Carvalho

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## Summary

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Computer Engineering student passionate about building scalable and efficient systems. Solid experience in C for systems programming and hands-on projects with React, Node.js, and Java. Skilled in algorithms, data structures, and problem-solving, with a strong desire to grow in backend and distributed systems. Currently developing personal projects in Python and studying software engineering fundamentals. Eager to contribute to real-world, high-impact applications at a global scale.

## Education

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### Federal Center for Technological Education of Minas Gerais (CEFET)

*Belo Horizonte, Brasil*

*B.S. in Computer Engineering*

*October 2024 – December 2028*

Strengthening software development skills through Object-Oriented Programming, Digital Systems, Data Structures, and Software Engineering. Additional studies in English and French to support effective communication in global tech environments.

### SESI Minas - SENAI Nansen Araújo

*Belo Horizonte, Brasil*

*Diploma in Game Development*

*August 2022 – November 2023*

Learned game programming in Unreal Engine using BluePrint. Developed two major projects: "A Tail Tale" and "NinjaCat", showcased at GameExperience BH.

## Experience

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### Business Development Internship

*Munich, Germany*

*Zero to One Search*

*July 2024 – December 2024*

- Led market research and analysis, identifying business expansion opportunities in the Tech and AI sectors.
- Developed strategies to acquire and retain clients, working with international partners.
- Assisted in client prospecting and engagement, preparing business reports and presentations to optimize decision-making.
- Communicated effectively in English with global stakeholders, drove business expansion efforts through strategic market analysis and global client engagement.

### Representative Tech Sales

*Belo Horizonte, Brasil*

*Junior Móveis*

*October 2020 – December 2021*

- Provided technical sales support, customer service, and pricing strategy consulting.
- Developed and implemented tactical plans to acquire and retain customers.
- Successfully increased sales revenue by 10% over one year in a highly competitive market.

## Projects

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### Hospital Management System

[Project Link](#) 

- Developed a full C-based management system with CRUD operations, dynamic memory allocation, and file handling. Emphasized efficiency and low-level data structures to simulate real-world hospital operations.
- Features include patient record management, doctor scheduling, and optimized data storage.
- Tools Used: C, Dynamic Memory Allocation, File Handling.

### Music Streaming Platform

[Project Link](#) 

- Built a web-based music streaming application with pre-set playlists and seamless audio playback.
- Designed the frontend using React and implemented the backend with Node.js for efficient data processing.

- Tools Used: React, Node.js, JavaScript, HTML, CSS.

## Courses and Certifications

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- Entrepreneurship, Agility, and Career Ownership – Alura (ONE Program)
- Personal Development Training – Alura (ONE Program)
- Beginner Programming Training – Alura (ONE Program)
- Java: Creating Your First Application – Alura (ONE Program)
- Agile Management: Exploring Agility Concepts – Alura (ONE Program)
- Career Development: Understanding Market Demands – Alura (ONE Program)

## Skills

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**Programming Languages:** C, Java, Python, JavaScript

**Frameworks & Tools:** React, Node.js, Django, Git, HTML/CSS

**Concepts:** Data Structures, Algorithms, OOP, REST APIs

**Soft Skills:** Teamwork, Communication, Problem Solving, Adaptability

## Languages

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**Portuguese:** Native proficiency.

**English:** Fluent (C2). Proficient in technical and professional communication.

**French:** Basic (A2). Studying the language for professional development and international opportunities.

**Japanese:** Basic (A1). Learning the language with a strong interest in its cultural and linguistic aspects.