

# Kaique Souza

Software Engineer | Cloud Engineer

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## SUMMARY

Having been learning about technology for 7 years (since 2018), I've gained vast competency in various areas, always striving to learn more and better about various programming and IT tools.

In 2018, I began my journey learning JavaScript by developing bots for large servers in Discord. By the time I learned how to create simple websites in HTML/CSS and how to host them on github. By using Github for deployment & hosting (with domains) I learned Repositories/Push/Pull/Merge concepts.

In 2021, I began learning to program in Python, SQL for data analysis. I began using tools like Pandas, PySpark, and Excel/PowerBI as in 2022/2023.

I joined Germinare Tech (Intituto J&F, Brazil) in 2024, there I learned a little bit of everything in several areas (Data Analysis/Science/Engineering; Software Engineering; DevOps; Information Security; Software Design; Front-end/Back-end/Full-stack Development).

I'm currently working as a Cloud Data Analyst at PicPay and contributing Data Scientist at HiveMind and studying CS & SWD at J&F Institute.

## EXPERIENCE

### Cloud Data Analyst

[PicPay](#)

Mar 2025 -

PicPay is the best digital bank in Brazil by the popular vote (iBest of 2024) As a Cloud Data Analyst, my main responsibilities were to create efficient decision-making relational databases (for the Corporate HR & other areas) using the Oracle Cloud Database. Mainly using SQL, Oracle HCM/ERP, Excel/Tableau/Power BI and other tools. At the same moment I had time to study for several courses on LinkedIn, PMI, NASBA, BotCity, Databricks and got over 25 different certificates, while doing these courses I also had time to put them into practice like several Scrum-related which I used on various projects.

### Data Scientist

[HiveMind - TimeLean](#)

Feb 2025 -

HiveMind is a platform inspired by hive systems, designed to connect data, processes, and decisions across organizations. It leverages real-time data analysis, AI-based decision automation, microservice orchestration, and collaborative knowledge sharing to improve efficiency and reduce operational losses.

My responsibilities as a Data Scientist:

- Developed, trained, and managed predictive ML/AI models.
- Contributed to the design and integration of intelligent services within the platform to enhance automation and collaboration.
- Led a team of Data Analysts

### Co-founder & Software Engineer

[TrocáTine](#)

Feb 2024 - Dec 2024

TrocáTine is a platform focused on exchanging and selling children's items, such as clothes, shoes, accessories, toys, and more. Our goal was to encourage sustainability and promote more conscious consumption by offering a place where users can interact, exchange information, and participate in groups. As a Software Engineer, my responsibilities were to create and manage the main projects, like the Landing Page (made with HTML/CSS/JS, Java, JDBC and JSP), and help engage with the whole project idea development, research for desired public, estimated cost and predict/estimate profit.

## SKILLS

- Software Engineering (SDLC, modular & maintainable code, reproducible pipelines, version control, CI/CD)
- Computer Science (Algorithm Analysis and efficiency, problem-solving, debugging and version control)
- Agile / Scrum (Sprint planning, backlog management, retrospectives, Jira/Trello for team projects, Agile Software Development & Project Management)
- Teamwork, communication & leadership
- Strong knowledge in various programming languages and programming concepts (such as OOP, Programming Logic and Algorithms)

## PROGRAMMING LANGAUGES

- Python (OOP, RPA & SAP, Software Development)
- SQL (3 variations) + MongoDB & Redis
- Java, JavaScript (OOP, Backend, Software Development)
- C, PHP, GO and TypeScript

## PROJECTS

### Magic Formula Stock Screener (Python)

A Python-based tool that automatically generates a diversified investment portfolio using Joel Greenblatt's Magic Formula Investing strategy. The script ranks stocks by Earnings Yield and Return on Invested Capital (ROIC), then selects the top n candidates to maximize potential returns while ensuring diversification. Designed to help investors systematically identify undervalued, high-quality companies and construct data-driven portfolios for long-term outperformance.

### Finance Tracker App (Python)

A Streamlit-based web app that helps users track, categorize, and visualize personal finances from bank statement CSV files. Built with pandas for data processing and Plotly Express for interactive visualizations, the app enables users to organize expenses, monitor spending patterns, and gain insights through dynamic charts.

### DK Shipping

A responsive e-commerce website prototype built with HTML, CSS, and JavaScript to showcase frontend development and UI/UX design skills. Focused on modern layout, clean design, and interactive user experience, serving as a practice project for web design and client-side development.

### TrocáTine's Landing Page

An creative landing page built with HTML, CSS, and JavaScript, showcasing layout techniques, and interactive/responsive UI elements. The project focuses on frontend development and user experience, highlighting skills in creating clean, responsive, and visually appealing web pages.

# EDUCATION

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## HS Degree (Emphasis in Computer Science and Software Development)

[J&F Institute](#)

Mar 2025 -

High School Diploma with Emphasis in Computer Science & Software Development. There I gained both theoretical and applied skills across programming, data, and systems. Topics included:

- Databases & Data Modeling: SQL (PostgreSQL), ER modeling, normalization (1NF–5NF), joins, aggregation, query optimization, and introduction to NoSQL (MongoDB, Neo4j, Cassandra).
- Programming fundamentals: Python and Java, debugging, problem-solving, and Object-Oriented Programming (abstraction, encapsulation, inheritance, polymorphism).
- Software Development Tools: Java ecosystem (JDBC, Jakarta EE, Maven, Tomcat), Git & GitHub workflows, CI/CD, DevOps foundations with Docker and Kubernetes and Software Design.
- Operating Systems & Hardware: computer architecture, Linux administration, process management, package managers, troubleshooting.
- Web Development: HTML5, CSS3 (Grid/Flexbox), responsive design, JavaScript (DOM, events, ES6), Bootstrap.
- Data Science & Analytics: Python (NumPy, Pandas, Matplotlib, Seaborn), Excel (formulas, pivot tables), statistics, machine learning (regression, classification, validation), AI fundamentals (LLMs, security, ethics).
- Business Intelligence: Power BI dashboards, ETL processes, DAX, and interactive data reporting.

**Key skills gained:** Software Engineering Fundamentals, database design and optimization, full-stack development basics, applied Data Science & ML, DevOps practices, Scrum basics, and business intelligence reporting.

## CS50x (Computer Science)

[Harvard University \(HarvardX\)](#)

Feb 2025 -

Completed an intensive course covering core Computer Science concepts and practical programming skills. Some topics included:

- Algorithm analysis and efficiency (Big O, searching, sorting)
- Low-level programming with C (memory management, pointers, data structures)
- Python programming for scripting and problem-solving
- SQL for relational databases (queries, joins, data modeling)
- Web development with HTML, CSS, JavaScript, and Flask
- Cybersecurity fundamentals (encryption, hashing, best practices)
- Hands-on projects applying Computer Science and Software Engineering principles, culminating in a final capstone project

**Key skills gained:** Computer Science fundamentals, problem-solving, algorithmic thinking, debugging, version control, and building end-to-end applications.

## Discord Bots (Python)

Developed multiple Discord bots for moderation, entertainment, and utilities, including features such as automated moderation tools, mini-games, and a virtual shopping system. Focused on building engaging, interactive experiences and streamlining community management through custom commands and APIs.

## LANGUAGES

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### English

Full Professional Fluency



### Portuguese

Native



### Spanish

Advanced



## AWARDS

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- 🏅 Bronze Medal – Math Kangaroo Brazil (National mathematics competition, J&F Institute)

## FUTURE PROJECTS & LEARNING

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☁️ Cloud Engineering (CloudOps) – Currently studying AWS and Google Cloud services and best practices.

◆ AWS Certified Cloud Practitioner (in progress)

◆ AWS Certified Cloud Operations Associate (planned)

◆ Bachelor's in Software/Cloud Engineering (expected 2027)