Kaique Souza

Software Engineer | Cloud Engineer

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in **/kaique-souza-kmads**   💬 **kmadsdev**   🎂 **29/09/2008**

SUMMARY

I am a 17-year-old student passionate about technology, with over seven years of continuous learning and hands-on experience across programming and IT. My journey began in 2018, when I started coding in JavaScript to build bots for large Discord servers. Soon after, I expanded into front-end development, creating websites with HTML/CSS and deploying them on GitHub Pages, where I also gained practical experience with version control concepts such as repositories, commits, branching, and merges.

In 2022, I transitioned into Python and SQL, focusing on data analysis. By 2023, I was working with tools like Pandas, PySpark and Excel/Power BI to perform data manipulation, visualization, and reporting.

Since 2024, I have been studying at Germinare Tech (Instituto J&F, Brazil), a program that has provided broad exposure to multiple areas of computer science and technology, including Data Science, Software Engineering, DevOps, Information Security, Software Design, and Full-Stack Development.

Quick to learn new languages and systems, I enjoy collaborating in teams, consistently contributing to projects that deliver results. My goal is to keep growing as a developer while applying my skills to real-world challenges.

EXPERIENCE

Cloud Data Analyst
PicPay   Mar 2025 - Present • 6 mos

PicPay is the Brazil's best digital bank by the popular vote (iBest of 2024)
As a Cloud Data Analyst, my main responsibilities were to create efficient decision-making relatories (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 wich I used on various projects.

Data Scientist
HiveMind - TimeLean   Feb 2025 - Present • 7 mos

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
TrocaTine   Feb 2024 - Dec 2024 • 11 mos

TrocaTine is platform focused on exchanging and selling children's items, such as clothes, shoes, accessories, toys, and more. Our goal were 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 responsabilities were to create and manage the main projects, like the Landing Page (made with HTML/CSS/JS, Java, JDBC and JSP), and help engaging 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** (Algorithmn Analysis and efficiency, problem-solving, debuging and version control)
- **Agile / Scrum** (Sprint planning, backlog management, retrospectives, Jira/Trello for team projects, Agile Software Development & Project Management)
- **Teamwork, communication & leadership**
- Strong knoledge in various programming languages and programming concepts (such as OOP, Programming Logic and Algorithms)

PROGRAMMING LANGUAGES

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

INTERESTS

Areas

- **Software Engineering** (Python/Platform/Backend Software Engineer)
- **Cloud Engineering** (Cloud/Cloud Platform Engineer, CloudOps/DevOps Engineer)
- **Data Engineering/Analysis (**with focus on Software Development structure management)

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Programming Languages

- **Python, SQL** (Fully capable of programming in Python, MySQL, PostgreSQL and SQLite for Data Analysis & Software Development with over 2 years of experience);
- **Java, JavaScript and C** (I'm confortable working with Java, JS & C for backend development with more than 1 year of experience);
- **PHP, GO, TypeScript** (Not my strenght, but i can take the challenge and work with PHP, GO & TS on backend or frontend)

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In summary I'm seeking a role that enhances Soft Skills and SDLC Abilities, including Cloud Platform Management, People Management, and Project Management.

LANGUAGES

English
Full Professional Fluency (C1)   ● ● ● ● ●

Portuguese
Native   ● ● ● ● ●

Spanish
Intermediate/Advanced   ● ● ● ○ ○

EDUCATION

HS Degree (Computer Science and Software Development)

J&F Institute   2024 - 2026

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.
languages: Java, Python, SQL/NoSQL (PostgreSQL, MySQL, MongoDB & Redis), HTML/CSS/JavaScript.

CS50x (Computer Science)

Harvard University (HarvardX)   Aug 2025 - Oct 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, ML basics, and building end-to-end applications.
Languages: C, Python, SQL (SQLite), HTML/CSS/JavaScript.

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.

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.

TrocaTine'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.

DK Shipping's Web Page

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.

AWARDS

- 🥉 **Bronze Medal – Math Kangaroo Brazil (Competing for J&F Institute)**

FUTURE PROJECTS & EDUCATION

- **AWS Certified Cloud Practitioner** (Currently studying AWS and Google Cloud services and best practices)
- **AWS Certified CloudOps Engineer - Associate** (Planned)
- **Bachelor's in Software/Cloud Engineering** (Starting 2027)