

# Juliana Zacharias

## Software Engineer

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### SUMMARY

- Results-driven and innovative **Software Engineer with a Back-end focus and Full-Stack Development experience**. Known for a user-centric mindset and ability to deliver scalable, high-impact digital solutions in fast-paced environments.
- Proven track record in building robust APIs, optimizing system performance, and enhancing user experience across industries such as fintech, identity tech, and consulting.
- Solid experience with Python, FastAPI, SQLAlchemy, Containers, and Databases, gained through contributing to projects with large-scale user impact.

### SKILLS

Python, REST APIs, web development, FastAPI, Flask, SQLAlchemy, Pytest, Pydantic, Pandas, Javascript, Typescript, C#, .NET GIT, Github, Gitlab, Cloud Services, Google Cloud (GCP), Docker, Kubernetes, PostgreSQL, SQL Server, DynamoDB (AWS), Redis, MongoDB, HTML, CSS, SASS, React, Angular, TailwindCSS, Unit test, Performance test, Linux, Ubuntu, Windows, Agile, Scrum, UML, Continuous Integration, Continuous Delivering, DevOps practices

### WORK EXPERIENCE

#### **Independent Consultant**

**Remote**

*Software Developer*

*Apr 2023 – present*

- Designed and developed interactive, responsive websites to enhance user engagement and elevate online experiences for small business owners, contributing to increased sales and business growth.
- Collaborated on diverse projects, developing RESTful APIs, intuitive user interfaces, and custom websites that align with client requirements and drive project success.
- Main Skills developed during this period: FastAPI, SQLAlchemy, React, Tailwind.CSS, PostgreSQL, Docker, MongoDB

#### **Unico ID Tech**

**Remote**

*Software Engineer*

*Jan 2022 – Jan 2023*

- Collaborated with a multidisciplinary team of developers and machine-learning experts to develop and enhance Facial Recognition engine, impacting over 22 millions of users across Brazil and achieving a 15% improvement in recognition accuracy over previous versions.
- Developed and implemented a highly accurate facial recognition software using Python, Flask, SQLAlchemy operating on Google Cloud Platform, optimizing performance with BigQuery and Cloud Storage for large datasets.
- Implemented DevOps practices, using Docker, Kubernetes, and CI/CD pipelines, to streamline the software development lifecycle and ensure efficient continuous delivery.
- Executed comprehensive testing and quality assurance protocols to fortify the reliability of software systems. Leveraged automation to optimize efficiency, automating 98% of analyses. This streamlined operational workflows, diminishing the need for manual intervention and significantly mitigating the risk of errors.

#### **Vitreo**

**Remote**

*Full Stack Developer*  
2022

*Feb 2020 – Jan*

- Contributed significantly as a key member of a cross-functional team in the overhaul of the registers section of a FinTech stock broker's website, focusing on optimizing data management systems, security/anti-fraud measures and enhancing user engagement strategies.
- Orchestrated impactful marketing campaigns in collaboration with the marketing team, creating high-performance APIs resulting in a 10% increase in client retention and a 20% rise in client satisfaction scores over a six-month period.
- Developed .NET RESTful APIs using a microservices architecture with PostgreSQL, Redis and DynamoDB.
- Maintained an Angular-based front-end application, ensuring an intuitive user experience.

#### **Pro4tech**

**São Paulo - Brazil**

*Junior Developer*

*Aug 2019 – Feb 2020*

- Strengthened the company's software capabilities by proactively researching and integrating emerging technologies and frameworks relevant to employee performance assessment using C# and the .NET framework, resulting in an enhancement in

user experience for clients across various sectors, including law firms, consumer goods, and parking lot management.

- Worked on ASP.NET MVC applications, shaping front-end user interfaces and creating custom back-end functionality tailored to the unique needs of clients in these industries.
- Provided end-user support, troubleshooted issues, and answered questions related to the system.

#### **Independent Consultant**

**São Paulo - Brazil**

*Technical Support Engineer*

*Jan 2019 – Jul 2019*

- Provided technical support to software development teams, ensuring optimal operation and troubleshooting issues related to database and application performance.
- Assisted in database management, query optimization, and deployment processes to improve system efficiency and reliability.
- Collaborated with developers to identify and resolve code-related issues, enhancing application functionality across multiple projects.

#### **IBM**

**São Paulo - Brazil**

*Internship*

*Sep 2017 – Dec 2018*

- Joined the IBM consulting training program in the GBS (Global Business Services) area
- Assisted in designing and developing test plans and test cases based on process requirements and specifications to verify the accuracy and efficiency of IBM BPM (Business Process Management) solutions.
- Responded to and resolved support tickets, addressing issues

### **EDUCATION**

#### **FIAP Institute of Technology**

**São Paulo - Brazil**

*Associate's degree - Systems Analysis & Software Development*

*Graduation Date: Jan 2019*

#### **Pontifical Catholic University of São Paulo**

**São Paulo - Brazil**

*Bachelor's degree - Business Administration*

*Graduation Date: Dec 2014*

### **LANGUAGES**

- Portuguese - Native Speaker
- English - Advanced - C1
- Spanish - Intermediate - B2
- English Proficiency: **IELTS Academic – C1 (Advanced)**, achieved in 2021

### **VOLUNTEER WORK**

#### **Engineers Without Borders - Rio de Janeiro**

**Remote**

*Software Engineer*

*Feb 2021 – Feb 2022*

- Led the development, maintenance, and support of applications utilized by volunteers, engaging actively across all stages of the development lifecycle, from inception to delivery.
- Orchestrated the creation of solutions using NestJS and MongoDB on the backend, coupled with HTML, CSS, JavaScript, and Angular on the frontend.
- Increased volunteer engagement by 20% through the implementation of intuitive user interfaces.

### **INTERNATIONAL EXPERIENCE**

#### **Languages International - Language School**

**Auckland - New Zealand**

*Advanced English*

*Jun 2015 – Feb 2016*

- Advanced english
- Business english