FILIPE COLLA
Software Developer and DevOps

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👤 Portfolio

RESUME

Developer with hands-on experience in backend development using Python (FastAPI and Django), frontend development with React, and mobile development with Kotlin. I have worked on projects involving artificial intelligence (YOLO) for visual inspections and automation, as well as strong involvement in DevOps, including configuration and infrastructure management on AWS (EC2, S3, RDS, Lambda, IAM, Cognito). I began my career as an intern at Autaza, where I was quickly promoted, and since then, I have been actively contributing to high-impact projects by applying CI/CD practices, user security, and scalable cloud solutions. I am driven by technical challenges and continuous learning in technology.

EDUCATION

High School
- Univap Aquarius, 2020 – 2022

University
- FATEC – Prof. Jessen Vidal, Desenvolvimento de Software Multiplaforma – 2023 – 2026

PROFESSIONAL EXPERIENCE

Autaza – Development Intern
October of 2024 – Present

Level 1 Intern — Fullstack and Artificial Intelligence (Oct. 2024 – Apr. 2025)

- Fullstack development with Python (Django) on the backend and React on the frontend, using PostgreSQL as the database.
- Participation in artificial intelligence projects with YOLO, performing tasks such as labeling, training, and object detection.
- Involvement in AWS solutions, structuring the full image processing workflow with S3, EC2, Lambda, Cognito, and IAM, automating the entire pipeline for data upload, processing, and return with secure authentication.

Level 3 Intern — Backend and DevOps in Mobile Project (Apr. 2024 – Present)

- Responsible for the backend architecture of a new mobile project, using Python with FastAPI.
- Planned the database structure and developed the DevOps infrastructure, including CI/CD and configuration on AWS (EC2, RDS, Lambda, IAM, and Cognito).
- Integrated with the mobile app developed in Kotlin, ensuring scalability and security.
- Responsible for API security planning, developing middleware to protect routes and data using JWT and end-to-end encryption.

TECHNICAL SKILLS

- **Programming Languages:** Python, Kotlin, TypeScript, JavaScript, Java
- **Web and Mobile Development:** HTML, CSS, React, Tailwind, Flask, FastAPI, Django, Kotlin (Android)
- **Databases:** MySQL, PostgreSQL, MongoDB
- **DevOps and Cloud:** AWS (EC2, S3, RDS, Lambda, IAM, Cognito), Docker, GitHub/GitLab Actions (CI/CD)
- **Operating Systems:** Linux and Windows
- **Artificial Intelligence:** YOLO (Training, Labeling, and Object Detection)
- **Agile Methodologies:** Scrum

LANGUAGES

- **Portuguese:** Native
- **English:** Advanced
- **Spanish:** Intermediate