

Flavio Henrique Galon

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Dublin, Ireland

Versatile backend software engineer with 7 years of experience developing fast and reliable applications

Experience

Senior Software Engineer, 888Spectate – Dublin (Hybrid), Ireland May 2024 – Present

Software Engineer, 888Spectate – Dublin (Hybrid), Ireland July 2022 – April 2024

- Led development and actively contributed with software architects on design of real-time processing pipeline for critical data using Java 17, Spring Boot, Python 3, Redis, Sanic and Kafka responsible for ingesting and processing over 30k packets/day that powers platform with over 100k active customers/month.
- Mentored less-experienced engineers on best practices of software development, systems design, parallel and concurrent programming and unit tests.
- Led refactoring of a core-platform Python 2 sync. service (Flask) to Python 3.10 async. (Sanic) that resulted in over 40% gain in requests/s capacity. Wrote and executed load/stress tests using Locust.
- Led multiple critical production bugs investigations that resulted in major refactorings and prevented significant losses for the company using profiling tools, query plan and logs analysis, New Relic metrics.
- Wrote dockerfiles and docker-compose configuration files for Python and Java services.
- Developed and maintained REST APIs using Python 2 and 3, Twisted, Flask, Sanic, Redis, MySQL, ActiveMQ and SQLAlchemy Core.

Software Engineer, CI&T – Curitiba (Remote), Brazil

Oct 2021 – June 2022

- Led design and development of event-driven architecture for the company's microservices using Python, AWS Lambda Functions, AWS EventBridge and Terraform whilst meeting strict functional and non-functional requirements.
- Debugged and monitored logs and application traces with CloudWatch, AWS XRay and DataDog.
- Developed REST APIs using Python 3, FastAPI, Pydantic, SQLAlchemy, Pytest, AWS Lambda Functions and Terraform.

Software Engineer, Agres – Curitiba (Hybrid), Brazil

March 2019 – Sep 2021

Junior Software Engineer, Agres – Curitiba, Brazil

Aug 2017 – Feb 2019

- Led design and development of a web application for binary files processing used for agricultural operations, geolocation data analysis and near real-time fleet management using Node.js, Python 3, CouchDB (NoSQL), serverless functions (IBM Cloud) and Apache Kafka used by over 500 customers.
- Led design and development of IoT application for agricultural machinery monitoring and tracking using Python 3, CAN bus, MQTT and Kafka.
- Developed a web application for license keys generation and management using Java 8, Spring Boot, Hibernate ORM, PostgreSQL and AngularJS
- Diffused agile methodologies amongst the development team (SCRUM, XP), defined coding style guidelines, created and maintained CI/CD pipelines.

Intern, Universidade Tecnológica Federal do Parana – Curitiba, Brazil

March 2017 – July 2017

Intern, Budapest University of Technology and Economics – Budapest, Hungary

June 2015 – Aug 2015

Skills

Programming languages: Python 3, Python 2, Java, JavaScript, TypeScript, Golang, SQL

Technologies: FastAPI, Flask, Sanic, Spring Boot, MySQL, PostgreSQL, ORMs, Kafka, ActiveMQ, Redis, Git, Bash, Docker, AWS, Linux, Microservices, NewRelic, DataDog

Languages: Portuguese (Native), English (Proficient)

Education

Universidade Tecnológica Federal do Parana (Brazil) – Bachelor of Engineering in Electronic Engineering

2017

Budapest University of Technology and Economics (Hungary) – Exchange Student

Aug 2014 - Aug 2015