

# ENRIQUE FERRER AGIUS | SOFTWARE ENGINEER

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## PROFESSIONAL SUMMARY

Experienced software engineer with over three years of experience, specializing in the development of efficient and scalable computer programs. Proficient in designing, implementing, testing, and maintaining software systems, my expertise extends across various aspects of web development, data engineering, and cloud services.

## SKILLS

- **Web Development:** HTML/CSS, JavaScript, TypeScript, React, Angular, Astro
- **Backend Development:** Python, Django, Flask
- **Data Engineering:** Pyspark, Pandas, Numpy, Airflow
- **Cloud Services:** AWS (Lambda, S3, Glue, Redshift), GCP
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Machine Learning:** TensorFlow, Scikit-learn
- **Devops:** Git, Jenkins, Teamcity, Docker, Kubernetes, Selenium, Vault
- **Game Development:** C#, Unity

## PROFESSIONAL EXPERIENCE

### Possible Incorporated (Vigo, Spain)

Full Stack & Data Engineer | 01 October, 2021 - Present

- Co-developed a web application analyzing sentiment in digital newspapers, emphasizing UI design, ETL processes, and RESTful API integration.
- Performed the migration of the European Patent Office datalake from SAS to AWS, refactoring DWH core SAS code to Pyspark.
- Implemented ETL operations using Airflow for business data from the European patent office, transferring data to S3/GCP for normalization and cleaning.
- Contributed to the development of an internal project library, a centralized resource for reusable components and modules.
- **Skills:** Javascript, React, Django, HTML/CSS, AWS (Lambdas, S3), Python, Pyspark, Pandas, Airflow, PostgreSQL, SAS, Github Actions, Kubernetes

### Saturdays.AI (Madrid, Spain)

Data Science Engineer | 01 February, 2021 - 30 June, 2021

- Expanded Python programming skills and deepened knowledge of Machine Learning and Deep Learning techniques through projects like a trash detector.
- **Skills:** Python, Pandas, Numpy, Scikit-learn, TensorFlow

## RELEVANT PROJECTS

- Platform 2D Videogame: Developed with C# and Unity
- Personal website: Portfolio developed with Next.js, TypeScript, NextUI, and Tailwind CSS
- Flight scrapper: Flight scrapper developed with JavaScript to find affordable flights from Mallorca to Oporto!

## EDUCATION

2017 - 2021 | Universitat Oberta de Catalunya

Computer Engineering Degree