

# Xavier Gea Gregori

[xgeagregori.com](https://xgeagregori.com)

## Software Engineer

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Double degree student in Engineering and Software Engineering with strong analytical skills. Developed leadership, communication, and project management skills through leading tens of university projects. Quick learner with a keen interest in exploring new areas of interest and applying innovative solutions to real-world challenges.

## Work Experience

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### Research and Development Project

LittleBill

Jan 2022 – Jun 2022

- Implemented OAuth2 authentication with Google and Microsoft accounts, making it possible to access and process users' emails with their permission.
- Developed algorithms to classify emails between receipts and non-receipts and to extract the adequate price from an email receipt. Achieved over 95% accuracy for both algorithms, allowing the start-up to offer a new feature to their customers.
- Built a REST API exposing the new features, integrating with LittleBill's existing architecture.
- Created a testing platform for developers to visualise and test the features of the API, allowing them to assess the algorithms' performance and to browse and label data effortlessly.
- Built a Chrome extension allowing users to synchronise their Gmail or Outlook inboxes, automatically processing their emails, and sending the receipts data to the mobile application.
- Wrote functional and technical documentation in English, allowing LittleBill to easily maintain the new features.

React | TypeScript | TailwindCSS | Nodejs | Chrome extension | Google Cloud Platform | Microsoft Azure | Agile

### Solution Developer Internship

Haulotte

Jun 2021 – Aug 2021

- Designed and implemented a full-stack web application allowing employees to book face-to-face session where they will learn about digital products. Streamlined the booking process by automating manual tasks, reducing the time required to book a session by over 90%, and preventing conflicts.
- Analysed needs and defined functional and technical requirements, increasing the success rate of the project by understanding what the clients wanted.
- Enabled seamless integration with other Microsoft services through the use of the Microsoft Graph API, resulting in a considerable increase in productivity.
- Designed a SQL Server Database, optimizing the schema for better performances and maintainability.
- Improved data analysis and decision-making capabilities by creating dynamic data visualisation dashboards using Microsoft Power BI.
- Wrote functional and technical documentation in English, allowing the company to easily maintain the new features.

React | Redux | Sass | Nodejs | SQL Server | Microsoft Graph API | Microsoft Azure | Microsoft Power BI | Agile

## Education

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### MSc in Software Engineering

University of Limerick

2022 – 2023

### Master's and Bachelor's Degree in Engineering

ECAM LaSalle

2020 – 2023

## Projects

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All my projects are showcased on [xgeagregori.com](https://xgeagregori.com)

## Skills

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### Concepts

Data Structures & Algorithms | Complexity Analysis | Object-Oriented Programming | Machine Learning | UML | Agile Methodology | Project Management

### Technologies

Python | FastAPI | Java | HTML5 | CSS3 | Sass | TailwindCSS | TypeScript | React | Redux | React Native | Nodejs | SQL Server | PostgreSQL | MongoDB | Docker | Git | AWS