Xavier Gea Gregori

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Results-oriented Software Engineer with demonstrated leadership abilities and a track record of delivering reliable systems with a focus on maintainability and scalability. Quick to learn and adapt to new technologies, applying best practices to drive efficiency and quality. Skilled in communication, collaboration, and project management, with a dedication to continuous growth, driving innovation, and delivering impactful solutions.

Work Experience

R&D Software Engineer (Lead Developer) — Ansys — Sep 2023 – Today

- Led and mentored a team of developers across frontend and backend technologies, conducting regular code reviews, pair programming sessions, and codebase explanation presentations, while serving as the go-to person for all development-related queries.
- Learned Angular, NgRx, and RxJS from scratch, and developed a high-quality frontend application adhering to best practices.
- Designed and implemented advanced features of the core data microservice (REST API), ensuring scalability and performance.
- Created comprehensive developer documentation from the ground up, accelerating onboarding and enabling new team members to contribute effectively.
- Established and enforced code quality, maintainability, and testing standards for both frontend and backend codebases, fostering a culture of excellence.
- Organized and streamlined project workflows by creating, estimating, assigning, and documenting tasks for both frontend and backend development to ensure timely delivery of milestones.
- Conducted technical interviews to expand the development team, hiring skilled professionals who aligned with the team's goals and standards.
- Exceeded performance expectations in formal reviews by consistently delivering high-quality solutions and contributing to the overall success of the project.

Angular | NgRx | TypeScript | Nodejs | Neo4j | Agile

Full Stack Software Engineer Intern — LittleBill — Jan 2022 – Jun 2022

- Implemented OAuth2 authentication with Google and Microsoft accounts, enabling secure access and processing of users' emails with their explicit permission.
- Designed and developed algorithms to classify emails as receipts or non-receipts and extract accurate pricing data from email receipts, achieving over 95% accuracy and enabling the startup to launch a new feature for its customers.
- Built a REST API to expose the newly developed features, seamlessly integrating with LittleBill's existing architecture.
- Created a comprehensive testing platform for developers to visualize and interact with API features, assess algorithm performance, and browse and label data effortlessly, significantly improving development efficiency.
- Developed a Chrome extension to synchronize users' Gmail and Outlook inboxes, automating email processing and sending receipt data directly to the mobile application for a seamless user experience.
- Authored detailed functional and technical documentation in English, ensuring LittleBill could maintain and enhance the new features with minimal overhead.

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

Solution Developer Intern — Haulotte — Jun 2021 – Aug 2021

- Designed and implemented a full-stack web application to streamline the employee session booking process for learning digital products, automating manual tasks and reducing booking time by over 90% while preventing scheduling conflicts.
- Conducted in-depth needs analysis and defined functional and technical requirements, ensuring the project aligned with client expectations and significantly increasing its success rate.
- Enabled seamless integration with Microsoft services by leveraging the Microsoft Graph API, leading to a notable boost in productivity and user satisfaction.
- Designed and optimized a SQL Server database schema, improving performance, scalability, and maintainability.
- Enhanced data analysis and decision-making by developing dynamic, interactive dashboards with Microsoft Power BI, providing actionable insights to stakeholders.
- Authored comprehensive functional and technical documentation in English, ensuring the company could maintain and expand the new features with ease.

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

Education

Master of Science in Software Engineering
University of Limerick   2022 – 2023
First Class Honours

Master's Degree in Engineering
ECAM LaSalle   2020 – 2023

Other Technologies   Python | FastAPI | Java | React Native | MongoDB | Docker | Git | AWS | UML