

Pablo García Rius
Software Engineer, Junior

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Portfolio web: <https://pablo-garcia-rius.vercel.app/>

WORK EXPERIENCE

TK Elevators

Madrid, Spain

Business Intelligence Analyst Intern

Jun 2024 – Present

- Developed performance indicators for the OSH department, using large datasets to compare progress over time, enabling managers to prioritize areas needing improvement.
- Developed safety analysis reports for country managers using Power BI, visualizing incident trends, and helping prioritize preventive measures across high-risk zones.
- Streamlined data integration for incident reporting using Node.js and APIs, automating updates and providing continuous data access to managers, reducing delays in safety analysis.

Ntt Data Europe & Latam

Madrid, Spain

Software Engineer Intern

Sep 2023 – May 2024

- Developed a full-stack project to streamline sensor data using Azure IoT, Node.js, and React, enabling real-time interaction and visualization in a showroom.
- Developed the frontend for Renfe's real-time data visualization app using React and TypeScript, improving risk management and alerting supervisors to potential safety issues.
- Developed CI/CD pipelines with GitHub Actions, automating deployments and tests, cutting deployment time in half and reducing manual labor in the release process.

EDUCATION

Universidad Carlos III Madrid

Madrid, Spain

Computer Science Engineering

Graduation Date: 2024

- Dissertation project: Developed a linked open data dataset to enhance connectivity of socioeconomic data for Madrid's municipalities, creating custom economic indicators for better cross-comparison. Created an interactive map application with React and OpenLayers to visualize the dataset, allowing users to compare the indicators across the municipalities. Scored 9.1 and received recognition from the "LODCoreMadrid" chair.
- Acquired software engineering and computer science/programming skills through project-based learning courses.
- Led and delivered software development projects, from requirements gathering to final product delivering and documentation, emphasizing the AGILE methodology.
- Designed and managed relational and non-relational databases, enhancing data management skills across diverse platforms.
- Built server-side applications using Spring (Java), Flask (Python), and Node.js, applying best practices in backend development.

University of New South Wales

Sydney, Australia

Computer Science Engineering

6-month exchange

- Led a 6-member international team on a full-stack application project, gaining conflict-resolution and communication skills.
- Developed a frontend application using Angular, with a REST API service in Flask for e-invoice management.
- Built a solid foundation in AWS, deploying and maintaining applications using services like EBS, RDS, and Lambda.

SKILLS

- **Technical Skills:** Software design, problem-solving, full-stack development, Agile methodologies, DevOps, CI/CD.
- **Programming Languages & Frameworks:** Python, C, JavaScript/TypeScript (React, Node.js), HTML, CSS, SQL, NoSQL.
- **Tools & Technologies:** Docker, AWS, Git, GitHub, REST APIs.
- **Languages:** Native Spanish, English (C1).