

Jack Griffiths Rico

Computer Science Graduate — English, Spanish & Catalan Native

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SUMMARY

Full-Stack Developer graduate with a Bachelor's Degree in Computer Science and hands-on experience in the MERN stack (React.js, Node.js, Express.js), complemented by competence in Python, C++ and Java. Expertise includes full-cycle development, independent deployment of projects using Docker and NGINX, and leveraging Oracle Cloud VPS for scalable hosting. Seeking a Full-Stack Developer role to apply proven skills in web architecture, cloud operations, and continuous integration to drive innovative software solutions.

EDUCATION

- **Universitat Politècnica de Catalunya**

Bachelor's Degree in Computer Science
Barcelona, Spain Sep. 2020 - Jun. 2024

- **Oak House School**

Secondary & Sixth Form; Score: 10.820/14
Barcelona, Spain Sep. 2014 - Jun. 2020

WORK EXPERIENCE

- **Ernst & Young Spain**

SAP Basis Intern
Barcelona, Spain Nov. 2023 - Jun. 2024

- Performed daily system health checks, updates, and maintenance across 20+ SAP client environments, improving uptime and reliability.
- Supported system upgrades, transport management, and user administration within enterprise SAP landscapes.
- Collaborated with 15+ consultants worldwide, bridging communication between technical and business teams.
- Praised for maintaining accurate documentation and consistently ensuring stable system operations.

- **SALBCN**

International Football Tournament Coordinator
Barcelona, Spain Oct. 2022 - Jun. 2025

- Coordinated logistics for 100+ international youth matches, ensuring smooth and on-time operations.
- Managed up to 20 teams per tournament day, overseeing field readiness, referees, and scheduling.
- Streamlined processes to minimize downtime and improve communication between staff and officials.
- Recognized for strong organization, leadership, and composure under pressure.

- **Oak House School**

Children's Summer School Monitor
Barcelona, Spain Jun. 2021 - Aug. 2021

- Supervised and led daily activities for 20+ children aged 2–5, ensuring a safe and engaging learning environment.
- Contributed to smooth classroom routines and student participation through creative activities.
- Commended by senior staff for enthusiasm, responsibility, and positive student relationships.

Reference letters available upon request for Ernst & Young Spain and SALBCN positions.

PROJECTS & PUBLICATIONS

- **cs2analyzer.com**

Full-Stack Developer
Barcelona, Spain Jul. 2025 – Present

- Built and deployed a full-stack web application using React.js, Node.js, and Express.js to analyze CS2 skin patterns for 1,500+ concurrent users.
- Designed a scalable API and optimized database queries, reducing response times by 40%; deployed on Oracle Cloud VPS with NGINX.

- **LoRa Mesh Network Research**

Bachelor's Thesis (IEEE ISCC 2025)
Barcelona, Spain Feb. 2024 – Jun. 2024

- Developed a full-stack IoT monitoring system for 10+ LoRa mesh nodes using C++, React.js, and REST APIs.
- Implemented a Dockerized analytics stack with Grafana and InfluxDB; published results at IEEE ISCC 2025.

- **Authentication System**

Full-Stack Developer
Brighton, UK Oct. 2025 – Nov. 2025

- Built a JWT and session-based authentication from scratch, including OAuth integration using MongoDB, Express.js, React.js, and Node.js.

- **NFT Analytics Platform**

Full-Stack Developer
Brighton, UK Nov. 2025 – Dec. 2025

- Developed a real-time NFT analytics platform using Ruby on Rails, Sidekiq, and ClickHouse.
- Implemented background workers to fetch OpenSea events and deliver real-time analytics dashboards.

KEY SKILLS

- **Analytical & Creative Thinking:** Analyzed SAP system performance and automated routine tasks, improving efficiency and reducing operational errors.

- **Flexibility & Agility:** Adapted quickly to new enterprise tools and workflows while managing concurrent academic and professional projects.

- **Technological Literacy:** Demonstrated strong proficiency across modern full-stack technologies and enterprise systems with rapid learning capability.

Tech Stack: JavaScript, TypeScript, Python, SQL, HTML5, CSS3, React.js, Node.js, Express.js, Vite, REST APIs, Docker, NGINX, PostgreSQL, MongoDB, Git, Linux.