

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. Actively developing high-performance, visually rich client websites, focusing on modern frameworks like Next.js and advanced animation libraries such as GSAP. 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**
Concept, Design & Back-end Developer
Barcelona, Spain *Jul. 2025 - Present*
 - Built a full-stack web app to analyze CS2 skin patterns using React.js, Express.js, and Node.js.
 - Designed a scalable API and optimized queries, reducing response times by 40%.
 - Deployed on Oracle Cloud VPS with NGINX reverse proxy and CDN-backed image delivery.
 - Integrated analytics and caching to support 1,500+ concurrent users globally.
- **LoRa Mesh Network Research**
Bachelor's Thesis (IEEE ISCC 2025)
Barcelona, Spain *Feb. 2024 - Jun. 2024*
 - Developed a full-stack IoT monitoring system for real-time querying of 10+ distributed LoRa mesh nodes.
 - Programmed low-power firmware in C++ and built a React.js dashboard for real time data visualization.
 - Implemented Grafana + InfluxDB analytics stack and containerized the system using Docker, providing a live dashboard for monitoring 20+ node services.
 - Published research at IEEE ISCC 2025, recognized for innovation in IoT network optimization.

KEY SKILLS

- **Analytical & Creative Thinking:** Analysed SAP system performance and designed scripts to automate routine tasks during EY internship, applying creative solutions to improve efficiency and reduce errors.
- **Flexibility & Agility:** Adapted quickly to new tools and enterprise procedures during EY internship while balancing university projects in a fast-paced environment.
- **Technological Literacy:** Strong command of modern technologies through full-stack projects and SAP experience; quickly learns and applies new frameworks or systems.

Tech Stack: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3, React.js, Next.js, Node.js, Express.js, Vite, REST APIs, Docker, NGINX, PostgreSQL, MongoDB, Git, GitHub Actions (CI/CD), GSAP, Linux, Oracle Cloud, Stripe.