

# Jack Griffiths Rico

Computer Science Graduate — English, Spanish & Catalan Native  
+44 7428023173 — j.griffithsrico@gmail.com — 30 Bentham Road, Brighton, BN2 9XD  
[www.linkedin.com/in/jack-griffiths-rico/](https://www.linkedin.com/in/jack-griffiths-rico/) — <https://gitjackg.github.io/Portfolio/>

## 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.