

David Lopez Rodriguez

Software Engineer

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Fairfax Gardens 12, London SE3 8PY

EDUCATION

University of Wales Trinity Saint David

BSc (Hons) in Computer Science, Applied Computing

London, UK

Jun. 2024 – May 2027

University of Wales Trinity Saint David

Level 4 CerTHE Computing Skills for the Workplace

London, UK

Jun. 2023 – May 2024

School of Code

Full-Stack Web Development Bootcamp

London, UK

Feb. 2023 – Jul. 2023

EXPERIENCE

Full-Stack Developer

IbetjoClean

Nov. 2024 – Feb. 2025

Remote

- Collaborated with managers to set up and maintain internal tools, troubleshoot issues, and optimize workflows.
- Contributed to the development of web features improving task tracking and operational reliability.

Full-Stack Developer

Iberosucre Productions

Feb. 2024 – Jun. 2024

London, UK

- Delivered a multi-tenant platform with scheduling, invoicing, geolocation, and automated notifications.
- Integrated **Google Maps** & **ImageKit APIs**, added PDF generation and analytics, increasing operational efficiency by 70%.
- Implemented role-based authentication and optimized data handling.

Full-Stack Developer

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Jun. 2023 – Jul. 2023

London, UK

- Developed a high-performance, SEO-optimized site with **React** and **TailwindCSS**, achieving Lighthouse scores above 93 in all metrics.
- Designed the UX/UI from scratch and deployed for scalability.

PROJECTS

AI Interviewer – Mock Interview Platform for Developers | *Next.js 15, TypeScript, OpenAI, PostgreSQL* 2025

- Built a **full-stack platform** to conduct real-time mock interviews using **Ultravox** for voice processing and **OpenAI** for feedback generation.
- Designed scalable backend architecture with **PostgreSQL** for structured data storage and retrieval.
- Integrated multiple APIs for dynamic interviews, optimized conversation flow, and improved reliability.
- **Deployed:** `aiinterviewer-production-e362.up.railway.app`

IbbUploader – Cross-Platform Image Upload Library | *Node.js, Python, ImgBB API*

2024

- Developed a cross-platform library for **Node.js** and **Python** to upload images to **ImgBB** from various sources.
- Implemented custom naming, expiration settings, and advanced error handling for reliable API integration.
- Published and documented the library, improving developer experience for image uploads.
- **GitHub:** `github.com/dlrodev92/IbbUploader_nodejs`

TECHNICAL SKILLS

Languages & Scripting: JavaScript, TypeScript, Python, Bash, SQL, HTML/CSS

Frameworks & Libraries: React, Next.js, Node.js, Django, TailwindCSS

Cloud & Developer Tools: Docker, AWS (S3), Git, GitHub, VS Code

Databases: PostgreSQL (SQL + ORM), basic NoSQL familiarity

Concepts: REST APIs, cloud infrastructure, observability, algorithms & data structures, testing, CI/CD,

Agile/Scrum, authentication & authorization, distributed systems fundamentals

Soft Skills: Professional communication, reliability, collaborative mindset, eagerness to learn