Cristobal Gutierrez Torrubia

Frontend Software Engineer | Manchester (Open to Hybrid/Office)
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Professional Profile

Mid-level Frontend Software Engineer with over two years of commercial experience in high-complexity warehouse management systems (WMS). I apply an **analytical-thinking approach** rooted in a background in Linguistics to deliver high-impact features and technical autonomy. I am **framework-versatile**, with a proven ability to master diverse stacks, ranging from professional proficiency in **Ember.js** to building modern applications with **React** and **TypeScript**. Passionate about infrastructure, performance optimisation, and currently upskilling in Machine Learning to bridge the gap between frontend interfaces and intelligent data processing.

Technical Skills

Languages:	Typescript, JavaScript, HTML5, SQL.
Frontend & State:	Ember, React, Next, Apollo (GraphQL), CSS3/SCSS, Tailwind CSS, React Native,
Backend & Cloud:	Node, Express, AWS (S3, ECS, CodeBuild, CloudFront), Supabase, PostgreSQL, Vercel.
Testing & Quality:	Cypress (E2E), Mocha, QUnit, Jest, Test-Driven Development (TDD).
Tools & AI:	AI-Assisted Development (Cursor, Claude, GitHub Copilot), DataDog, Terraform (Basic), Git, Agile/Scrum Development, Insomnia.

Experience

Software Engineer | 10/2024 – Present | **Clarus Software, Remote**

- **Resilience & Connectivity:** Improving UX on handheld devices (HHD) by implementing logic to detect network drops and warn users during critical operations. Currently architecting a retry mechanism and aggregating connection metrics into **DataDog** dashboards to visualise connectivity issues.
- **Hardware-Specific Engineering:** Engineering features for HHDs using **TypeScript** (framework-less), including barcode/serial number scanning and camera integration for capturing stock evidence directly on the device.
- **Infrastructure & DevOps:** Collaborating with SRE to optimise **AWS** pipelines. Currently designing a Blue/Green deployment strategy for the frontend using **CloudFront** and **S3** to eliminate deployment and rollback downtime.
- **Technical Mentorship:** Acting as a trusted technical confidant for junior developers; facilitating onboarding, conducting rigorous code reviews, and serving as a bridge between the team and management to unblock technical queries.
- **Architecture & Strategy:** Driving a shift towards framework-agnostic Object-Oriented Programming (OOP) to decouple business logic from **Ember.js**, while leveraging **React** expertise to guide architectural discussions.

Junior Software Engineer | 10/2023 − 10/2024 | **Clarus Software, Remote**

- **Rapid Career Progression:** Promoted to Software Engineer within 12 months after quickly becoming independent at building and leading complex modules, including a "Booking Diary" for Dock/Bay management and a touch-optimised "Packing Desk" interface.
- **Legacy Codebase Mastery:** Attained high proficiency in a complex, undocumented **Ember.js** system prior to the widespread availability of AI coding assistants, relying on deep source code analysis and knowledge synthesis.
- **Testing & Quality:** Championed a robust testing culture, achieving over 80% test coverage across three repositories using **Cypress**, **Mocha**, and **QUnit**.
- **Performance Optimisation:** Optimised data fetching by implementing conditional **GraphQL** queries using **Apollo**, reducing redundant re-renders and server load and collaborating on schema design with backend engineers.
- **Scalable Component Design:** Built reusable UI components used by implementation teams to construct custom warehouse flows via JSON configuration, significantly accelerating client onboarding.

Trainee Full-Stack Developer | 03/2023 − 06/2023 | **Northcoders, Manchester**

- Completed an intensive 13-week industry-led bootcamp mastering full-stack JavaScript.
- **Project - NC News:** Built a Reddit-style news portal using Node.js, Express, and PostgreSQL with a React frontend.
- **Project - Love Birds:** Created a mobile app for couples using React Native, TypeScript, and Firebase Database.

Personal Projects & Learning

- [D_Crypto](#) **(2026):** A Wordle-style decryption game built with **Next.js** and **Supabase**. Implements **SSO/OAuth**, server-side rendering, and procedural puzzle generation.
- **Continuous Learning:** Currently completing the *Machine Learning Specialization* (Coursera, Stanford/DeepLearning.AI) to integrate AI capabilities into SaaS applications.

Education

BA (Hons) English Literature & Linguistics (1st) / 2017 − 2021 | **University of Granada**

- Applied **critical thinking** and **systematic analysis** to complex structures across Literature and Linguistics.
- Specialised in the formal properties of language, including **Chomskyan Generative Grammar (Syntax, Morphology, and Semantics),** providing a foundational understanding of the recursive logic and tree structures used in modern **Natural Language Processing (NLP)** and programming.
- Explored data-driven human cognition through **Neurolinguistics and Psycholinguistics**, enhancing my approach to user-centric interface design and information architecture.