

Jonathan Scott

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🌐 [Portfolio Website](#) | [GitHub](#) | [LinkedIn](#) | [Freelance Website](#)

Professional Summary

A professional based in San Diego, CA, currently pursuing a Computer Science degree from the University of London. I apply a process-driven philosophy to software development, prioritizing Architecture, Scalability, and Efficiency to leverage my background in project leadership within the tech sector.

Professional Experience

Mobileweld | Operations Project Lead (QC)

Nov 2018 – Nov 2024

- **Project Management:** Created and maintained documentation for 3+ concurrent projects, simplifying cross-team communication and reducing fabrication errors.
- **Data Optimization:** Developed custom cost-analysis and tracking tools utilizing Google Sheets, resulting in a 20% improvement in budget efficiency.
- **Mathematically Driven Workflow:** Reduced fabrication times by 40% by applying mathematical modeling to optimize production workflows.
- **Leadership:** Directed cross-functional teams through full project lifecycles, consistently delivering high-quality products on budget and ahead of schedule.
- **Quality Systems Engineering:** Implemented safety and Quality Control protocols, achieving a zero-incident record over 12 months.

Technical Engineering & Portfolio Development (Independent)

Nov 2024 – Present

- **Academic Acceleration:** Dedicated 60+ hours weekly to accelerating the Computer Science curriculum, completing 2 professional certifications for **Recognition of Prior Learning (RPL)** to fast-track degree requirements at the **University of London**.
- **Full-Stack Architecture:** Engineered and deployed **12 full-scale web applications and data tools**, transitioning from industrial project management to modern software engineering.

Featured Projects

[Thrust Insights | SpaceX Data Science & Interactive Dashboard](#)

- **Description:** Quantified aerospace reusability metrics by engineering a custom data pipeline to aggregate 15+ years of fragmented telemetry.
- **Data Pipeline:** Raw launch telemetry → Python analysis → JSON export → React Dashboard.
- **Technologies:** Python (Pandas, Scikit-learn, Matplotlib), React, TypeScript, Tailwind CSS, Netlify.

[Chronicles of the Web | North Korean Internet History](#)

- **Description:** Architected a lightweight SPA **framework** from scratch to document restricted network history, utilizing a custom regex engine to ensure high performance.
- **Data Pipeline:** Google Books API → Netlify Serverless Functions → Custom Regex Template Engine → Dynamic DOM Injection.
- **Technologies:** Vanilla JavaScript, HTML, CSS, Netlify Functions, Google Books API.

[Freelance Website | Secure Communications Microservice](#)

- **Description:** Engineered a serverless communication pipeline to handle encrypted API transactions, ensuring 100% data integrity and zero-exposure of sensitive credentials.
- **Data Pipeline:** Client-side Validation → Cloudflare Workers → Encrypted Environment Variables → Mailgun API.
- **Technologies:** Vanilla JavaScript, Node.js, Cloudflare Workers, Mailgun API, REST.

Technical Skills

- **Languages:** JavaScript, HTML, CSS, Python, SQL.
- **Frameworks & Libraries:** React, Node.js.
- **Tools & Infrastructure:** Git/GitHub, REST APIs, Netlify, Cloudflare, Figma.

Education

BSc in Computer Science | University of London | (In Progress)

Certifications

- [Google Project Management Specialization](#) – Coursera (Mar 2024)
- [IBM Data Science Professional Certificate](#) (RPL) – Coursera (Dec 2024)
- [Google IT Support Professional Certificate](#) (RPL) – Coursera (Feb 2025)
- [Meta Full-stack Developer Specialization](#) – Coursera Jan 2026