Shaquille Hobbs-Daley **shaq@shd.software**

PROFESSIONAL SUMMARY

Experienced **Full Stack Developer** specializing in **Node.js, JavaScript/TypeScript, React, and Rust**. Skilled in **CMS integration, API development, event-driven architecture, and cloud infrastructure**. Passionate about designing scalable, secure, and efficient solutions while seamlessly integrating third-party services to improve workflow and performance.

WORK EXPERIENCE

Senior Full Stack Developer (Contract) – Oak National Academy, London

03/2023 – Present
Tech Stack: Next.js, TypeScript, GCP (Cloud Functions, Firebase, API Gateway), Event-Driven Architecture

- Developed a **lesson ingestion process**, managing **locking and permissions** for Google Docs files and exporting them in multiple formats to **GCP storage buckets**.
- Integrated **Sanity CMS** to manage and host frontend images efficiently.
- Automated **video processing workflows**, integrating a **third-party captioning service** while hosting content via an external platform.
- Built an **asset transfer workflow**, ensuring digital assets uploaded to the **DAM system** were mirrored in **GCP buckets**.
- Designed a **quiz generation system**, creating quizzes from JSON and developing a web app for quiz rendering with **automated snapshot validation**.
- Engineered a **curriculum database schema**, handling the complexities of **subjects, programs, units, lessons, and exam boards** for structured education content.

Full Stack Developer – Focusrite, London

08/2020 – 10/2022
Tech Stack: TypeScript, AWS (API Gateway, DynamoDB, Lambda, EC2, ElastiCache), Terraform, Rust, Gatsby, React, PSQL, Koa, CircleCI

- **Developed and maintained multiple web applications**, integrating **Contentful CMS** to streamline content management for the marketing team.
- Optimized **AWS infrastructure**, working with **API Gateway, DynamoDB, Lambda, and ElastiCache**.
- Built a **Rust-based DRM system** to securely distribute software.
- Improved **CI/CD pipelines**, reducing deployment time by **50%**.
- Created **monitoring solutions** with **AWS X-Ray, CloudWatch, and Slack integration** to track system health.

Full Stack Developer (Contract) – Oak National Academy, London

05/2020 – 11/2020
Tech Stack: Next.js, GCP (Cloud Functions, Firebase, API Gateway), Cloudflare, React, JavaScript

- Led the transition from **WordPress to Next.js**, significantly improving site performance and maintainability.
- Enhanced **SEO and search visibility** using **Google Search Console**.
- Ensured **high availability**, handling **4 million active users** with minimal downtime.

Full Stack Developer & Tutor – Northcoders, Manchester

12/2018 – 05/2020
Tech Stack: React, JavaScript, Node.js, Express, PostgreSQL, TravisCI

- Designed and developed a **custom CRM system** for tracking student progress and integrating automated feedback loops.
- Implemented **automated tracking** for student learning progress, reducing manual work by **25%**.
- Provided mentorship and training in **full-stack development** best practices.

SKILLS & EXPERTISE

- **Frontend Development:** React, Next.js, Gatsby, TypeScript, JavaScript
- **Backend Development:** Node.js, Rust, API Development, Event-Driven Architecture
- **Cloud & Infrastructure:** AWS (Lambda, DynamoDB, API Gateway, EC2, Terraform), GCP (Cloud Functions, Firebase)
- **CMS & Content Management:** Contentful, Sanity, Headless CMS integration, Website Content Automation
- **Security & Authentication:** OAuth, JWT, SSO Integration
- **CI/CD & DevOps:** GitHub Actions, CircleCI, Terraform, Cloudflare, Vercel
- **Performance Optimization:** Core Web Vitals, CDN strategies, caching techniques

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ADDITIONAL EXPERIENCE

- **Architecting and implementing CMS-driven solutions**, including content automation and asset management.
- **Optimizing SEO and web performance**, aligning with Core Web Vitals best practices.
- **Integrating authentication and security protocols**, implementing **OAuth, JWT, and SSO**.
- **Collaborating with Agile teams**, working alongside global developers to deliver scalable solutions.