

## Malcolm Garner

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I'm a dynamic Senior Software Application Developer with over 10 years of extensive experience in front-end and back-end technologies across multiple cloud environments. With a proven ability to lead development projects from inception to deployment, that enhances user experience and operational efficiency across multiple languages. I have deployed a portfolio of solutions for multinational corporations, across different industries including professional services, FMCG and telecoms. I always manage to establish a strong relationship with a wide range of internal and global stakeholders as well as third party suppliers. I also leverage my technical experience and knowledge of multiple design patterns and frameworks, to bridge the gap between Developer, Designer, and Product Owner.

### Professional Development and Tech Stack

#### Cloud Technology:

- Certified AWS Cloud Practitioner, Certified Microsoft Azure Fundamentals

#### Programming Technologies:

- Front End (10+ years experience) – Typescript, React, GraphQL, Axios, State management tools (Jotai, Zustand, Redux), React Testing Library, Jest, Cypress
- Back End (2+ years experience) - Python, NodeJs, C#
- DevOps Tools - GitHub Actions, TeamCity, Jenkins, Docker, AWS CodeDeploy

#### Education:

- Bachelor of Science – Computer Science (Hons) (2013), University of the West Indies

### Career History:

#### Freelance Full Stack Developer - (July 2024 - Present)

Scope of work included: Conducting accessibility audits and implementing fixes for small scale applications, ensuring site availability for users who suffer from hard of hearing, blindness, or motor disabilities. Crafting NextJs applications for greenfield projects utilising the latest in App Routing, Server Side Rendering, SEO optimisations, and leveraging Backend for Frontend functionalities. Updating legacy state management systems into more modern Reactive alternatives, reducing cognitive complexity and simplifying application data flow. Implementing and updating website hosting, while leveraging Content Delivery Networks optimising Largest Contentful Paint through caching. Utilising headless CMS solutions such as Strapi and AEM (Adobe Experience Manager). Consulting on and aiding in the implementation of architectural decisions around the Micro-Front-Ends, specifically with Webpack Module Federation.

## **NTT Data - Senior Software Application Developer (Sep 2021 - June 2024)**

### **Project with a major cosmetics company:**

Scope of work included: Task breakdown of customer requirements, into actionable tickets for the Python API & React Web teams to develop. Recruited additional resources, and grew the team from one to eight, comprising both of backend and frontend web teams. Managed expectations, highlighted risks, and kept to strict timelines through frequent communication with the Leadership Team.

- Lead the implementation and deployment of a greenfield multinational onboarding online journey across Poland and the UK using Typescript React for the Frontend, and Python Django for the Backend.
- Assisted in the establishment of a robust backend API, which required me to learn both new and familiar technologies within 6 weeks.
- By utilizing my certification in AWS cloud technology, I was able to view, understand and leverage the existing cloud infrastructure in place. • Learned CI/CD pipelining in less than 3 weeks through tools such as Jenkins and Teamcity, to troubleshoot and ensure reliability across integration and delivery pipelines to the staging and development environments.
- Collaborated with System Architects, Business Analysts, SLA managers and other stakeholders, to manage, facilitate and incorporate a dynamically increased development scope, encompassing both front and back end technologies.
- Highlighted the need for more developers due to increased scope, in order to maintain original timelines.
- Mentored and developed a team of eight members around the existing infrastructure and existing client needs.
- Met with the design team frequently to ensure both front end and design needs were addressed. • Ensured there were no existing gaps between development and design, leading to the complete delivery of the desired application experience, across the span of eight months.
- Coordinated management meetings, providing updates, timelines and relevant developer feedback to maintain up to date, realistic metrics for both backend and frontend work to maintain operational efficiency.
- Ensured cohesion, resilience, and integrity of multiple microservice applications, during the migration of on-premises hosting to a serverless offering on the cloud, reducing client costs and increasing flexibility.

### **Project with a major association of chartered certified accountants:**

Scope of work included: Lead the Web development team to deliver the Personalized Exam Feedback product. Broke down the initial scope of work, through frequent meetings with key stakeholders and my team. Verified that client needs were understood, agreed upon and actioned by both designers and developers. Ensured that the creation of UI designs accounted for and was within WCAG guidelines, enabling the accessibility and usability of the application by persons with disabilities.

- Managed five developers through delivering and improving a new personalized feedback feature onto one of their longstanding product offerings, greatly improving its user experience. • Implemented the testing suite for unit, regression and end-to-end testing, and established an integration and deployment pipeline for the projects' various branches in Teamcity. • Implemented, through the creation of Lambdas, backend functionalities and Cloudwatch to monitor the implemented lambda's call frequency and responsiveness, also ensuring

rule-of-thumb configuration such as CORS and SSH were adhered to when data fetching/receiving. • Included authentication into the exam feedback admin panel product through OAuth2 and Microsoft Active Directory.

**Movement Digital** - Full Stack Developer (Mar 2018 - Aug 2021)

- Responsible for the development of a B2B menu generator tool for a multinational FMCG company.
- Responsible for developing experiential digital marketing content prototypes, using AI and AR languages for a FMCG company.
- Enhanced application reliability by leading the integration and testing of bug fixes, achieving > 90% code test coverage, for a large beauty brand's in-store customer profile and product recommendation tool used in stores across the UK.
- Optimized the booking confirmation process for an international hotel group. • Managed the company's cloud infrastructure, as well as being responsible for adding web features and content to the company website.
- Liaised with infrastructure suppliers for offsite and on-site data storage, and in-office network infrastructure.

**Early Career:**

**Lenstore** - Mid Level PHP Developer, Javascript & PHP (Aug 2017 – Feb 2018)

**Student Money Saver** - Junior Developer, Javascript & PHP (Feb 2017 – Aug 2017)

**Liberty Global (t/a FLOW)** - Systems Developer, PHP, HTML, MySQL (Aug 2013 – Dec

2016)