

## WORK EXPERIENCE

### Software Engineer – Process Innovation Team

June 2023 – August 2025

*GAIN (formerly Vertical Leap)*

*Remote / Portsmouth, UK*

- Using TDD, developed processes to generate Word documents by combining AI content with curated external data, reducing manual editing time by 30 minutes per document.
- Created and oversaw IaC (Cloudformation), for quicker infrastructure changes and efficiently migrating accounts.
  - Configured an EC2 instance server for logging, allowing visibility of errors.
  - Implemented power automate workflow for MS Teams alerts to support admin automation and bug resolution.
- Handled front-end SPAs using React.js/Next.js and TypeScript for use internally before submitting data to clients.

### Software Engineer – Apollo Insights Team

January 2017 – June 2023

*GAIN (formerly Vertical Leap)*

*Remote / Portsmouth, UK*

- Enhanced a C#/SQL/RequireJS MVC platform, boosting reliability and efficiency for content and SEO teams through continuous improvements
  - Led post-crawl audits of client and competitor sites every 2–3 weeks using 150+ automated rules, presenting actionable insights.
  - Created a competitor comparison screen, allowing clients to compare their online presence vs 5 competitors.
  - Developed and automated advisory algorithms to provide insights for internal staff and external paying customers.
- Collaborated on and modernized a legacy contract management system to improve efficiency and usability:
  - Automated renewals and expiry alerts for 200+ contracts.
  - Built an internal Vue.js interface with role-based access for viewing and updating contracts.
- Refactored legacy codebases and removed redundant logic, significantly enhancing maintainability and reducing future development time.

### Software Engineer

September 2014 – August 2015

*Halliburton*

*Tewkesbury, UK*

- Improved and extended a component testing application by implementing features and fixing bugs.
- Collaborated with cross-site teams on database design and implementation.
- Added temperature profile support, to meet testing requirements and enhance functionality.
- Resolved longstanding bugs in the system, improving stability and reliability for end users.

## EDUCATION

### Middlesex University

July 2016

*BSc - Computer Science (First Class Honours)*

*London, UK*

- Completed a placement year in 2014/2015 with Halliburton in Tewkesbury.
- Involved with the Christian Union at Hendon Campus.

## PROJECTS

### Kingdom Code – Build (Hackathon)

October 2024

*Bible Society - Bible Bolt*

*London, UK*

- Worked on a Node.js add-on/plugin in a 2-person team for a few platforms, enabling quick pasting of Bible verses.
- Within 24 hours, added text formatting to ensure verses maintained proper styling when pasted into Word documents.

## SKILLS

<b>Languages &amp; Markup:</b>	C#, SQL, T-SQL, XML, OpenXML, HTML, Markdown, YAML, Bash
<b>Frameworks &amp; Libraries:</b>	.NET, .NET Core, ASP.NET, MVC, ASP.NET Core, ASP.NET Web API, Vue.js, Nuxt.js, Require.js, jQuery, xUnit, React.js, Node.js
<b>Developer Tools &amp; Practices:</b>	Visual Studio, VS Code, SSMS, Docker, TDD, Agile, Scrum, Kanban
<b>Cloud &amp; DevOps:</b>	AWS (EC2, RDS, IAM, S3, CloudFormation, AppRunner, ECR, Systems Manager), GitHub Actions, Dependabot
<b>Version Control &amp; Concepts:</b>	Git, GitHub, TFS, CodeCommit, REST APIs, RDBMS, MySQL, Algorithms.

References available upon request