David Mitchell

Chatham, UK

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WORK EXPERIENCE

Software Engineer – Process Innovation Team
GAIN (formerly Vertical Leap)

June 2023 – August 2025
Remote / Portsmouth, UK

- Using TDD in C# Web API (.NET Core), built processes with OpenXML to generate Word documents by combining AI content with curated external data, reducing manual editing time by 30 minutes per document.
- Led the introduction of CloudFormation IaC templates, overseeing development that automated infrastructure changes and accelerated account migrations.
  - Configured an EC2 instance 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
GAIN (formerly Vertical Leap)

January 2017 – June 2023
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
Halliburton

September 2014 – August 2015
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
BSc - Computer Science (First Class Honours)

July 2016
London, UK

- Completed a placement year in 2014/2015 with Halliburton in Tewkesbury.

PROJECTS

Kingdom Code – Build (Hackathon)
Bible Society - Bible Bolt

October 2024
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

Languages & Markup:	C#, SQL, T-SQL, XML, OpenXML, HTML, Markdown, YAML, Bash
Frameworks & Libraries:	.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
Developer Tools & Practices:	Visual Studio, VS Code, SSMS, Docker, TDD, Agile, Scrum, Kanban
Cloud & DevOps:	AWS (EC2, RDS, IAM, S3, CloudFormation, AppRunner, ECR, Systems Manager), GitHub Actions, Dependabot
Version Control & Concepts:	Git, GitHub, TFS, CodeCommit, REST APIs, RDBMS, MySQL, Algorithms.

References available upon request