Reece Gordon

Principal Engineer

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PROFILE

Principal Engineer with over five years of experience delivering enterprise B2B and B2G software across full stack development, frontend architecture, legacy modernisation, RESTful API design, CI/CD, cloud infrastructure and technical leadership. I lead the design and delivery of AI integrations for enterprise software, alongside platform architecture and the modernisation of established applications.

Strong track record of taking complex legacy systems and moving them towards modern, maintainable, production-ready architecture. Comfortable operating across hands-on development, architecture, sprint planning, mentoring and cross-team delivery.

TECHNICAL SUMMARY

Languages	C#, TypeScript, JavaScript, SQL, Python, Java, Lua, C++, PHP, HTML, CSS
Backend	.NET, .NET Framework, ASP.NET, Web API, REST APIs, OpenAPI, Swagger, MVC, Dependency Injection
Frontend	Vue, Pinia, React, GWT, Vite, NPM, Cypress, Bootstrap, BEM, LESS, generated API clients
Cloud and DevOps	Azure DevOps, Azure Pipelines, AWS, AWS ECR, AWS ECS, Docker, Nginx, IIS, Terraform, GitHub Actions, Linux, CI/CD
Testing and Quality	Unit testing, end-to-end testing, component testing, integration testing, TDD, BDD
AI and Product Direction	AI agents, MCP Server integration, domain-aware tooling, AI-assisted workflows

EXPERIENCE

Principal Engineer | Causeway Technologies

Apr 2026 - Present

Remote

- Leading technical direction across Causeway Asset Strategy, spanning platform integration, frontend architecture, legacy application refactoring and AI enablement.
- Successfully deployed Causeway Asset Strategy into Causeway Platform and continue to lead its technical evolution within the wider platform ecosystem.
- Designing and building AI integrations using Python, C# and the Model Context Protocol, with responsibility for technical decisions, implementation and delivery.
- Leading architectural decisions across Vue, TypeScript and legacy GWT application layers, balancing modernisation with continuity for an established enterprise product.
- Supporting frontend sprint planning, technical design, task breakdown, mentoring and onboarding of other engineers into the modern codebase and domain.
- Working across Vue, TypeScript, .NET, C#, SQL, REST APIs, OpenAPI, AWS, Docker, CI/CD and platform integration.

Senior Software Engineer | Causeway Technologies

Apr 2024 - Apr 2026

Remote

- Proposed a staged modernisation of Causeway Asset Strategy and built the prototype for the new client, which went live alongside the existing product in November 2025.
- Mentored engineers to maintain the Vue client independently, freeing me to lead its integration with Causeway Platform.
- Designed and implemented the new OpenAPI specification to support the modern application architecture and improve integration between frontend and backend layers.
- Designed RESTful API endpoints, request models and response models with a focus on maintainability, clarity, domain correctness and frontend usability.
- Designed and built the Vue and TypeScript client, using Pinia for state management and generated API clients to connect it to the .NET backend.
- Set up CI/CD pipelines covering frontend builds, linting, unit tests, end-to-end tests, Docker image creation and deployment workflows.
- Supported cloud and infrastructure work, including Docker, AWS ECR, AWS Elastic Beanstalk, AWS ECS and Terraform during the earlier project phase.
- Designed the integration approach for Causeway Asset Strategy within Causeway Platform, moving away from disconnected workflows towards a seamless platform experience.
- Led refactoring work across both the legacy GWT application and the modern Vue application to support the transition from legacy UI to platform-aligned product.
- Collaborated closely with backend, QA and product teams to deliver stable releases, manage technical risk and maintain business continuity.

Full Stack Engineer | Causeway Technologies
May 2022 - Apr 2024

Remote

- Modernised enterprise infrastructure planning software used by businesses and public authorities to analyse road assets and plan highways investment.
- Built the initial prototype that proved the feasibility of replacing key legacy workflows with a modern Vue application.
- Developed .NET Swagger/OpenAPI RESTful endpoints to support the frontend rebuild and define a clearer application boundary.
- Introduced improved development workflows through Azure Pipelines, covering build, lint, unit test, end-to-end test and Docker image creation processes.
- Built production Docker images using Nginx and pushed images to AWS ECR ready for deployment.
- Implemented Terraform with AWS to automate deployment of the frontend application to AWS infrastructure.
- Introduced unit testing and end-to-end testing into areas where this level of automation did not previously exist.

Full Stack Engineer | Yotta
Feb 2021 - May 2022

Leamington Spa / Remote

- Enhanced and maintained infrastructure planning software for B2B and B2G customers, supporting analysis of infrastructure assets, expenditure and long-term investment.
- Worked across .NET, C#, SQL, JavaScript and related web technologies to deliver features, bug fixes and customer-driven improvements.
- Independently led the integration of Microsoft Power BI, expanding analysis capabilities for premium service customers and helping introduce a new revenue stream.
- Modernised how the application handled user credentials, improving the protection of existing accounts.

Software Developer | Freelance
Sep 2016 - Feb 2021

Delivered freelance software projects alongside my undergraduate and postgraduate studies.

Front End Web Developer | OF2G
Sep 2014 - Sep 2016

Birmingham

- Built and improved storefronts across Shopify, eBay and company websites, improving customer trust and online presentation.
- Redesigned company imagery, including logos, vehicle wraps and warehouse visuals, to create a more professional brand presence.
- Refurbished large volumes of workstation desktop computers, salvaging parts and producing functional machines for resale.

EDUCATION

MSc Software Development | Coventry University
2019 - 2020

Distinction

- ✓ Top Graduate Award for Excellent Academic Achievement amongst peers
- ✓ Chartered Management Institute Level 7 - Professional Consulting
- ✓ Chartered Management Institute Level 7 - Strategic Management and Leadership
- ✓ Thesis: Exploring the link between visual design principles and technical implementation with an aim to enhance HCI in web development

BSc Games Technology | Coventry University
2016 - 2019

First-Class Honours

- ✓ Adobe Certified Associate - Adobe Photoshop CC 2015
- ✓ Adobe Certified Associate - Adobe Dreamweaver CC 2015
- ✓ Varsity eSports Team national contenders
- ✓ Thesis: Exploring visual and locomotive effects on virtual reality induced cybersickness

Earlier education
By 2016

Level 3 IT Apprenticeship (Distinction), Level 3 BTECs in ICT (Distinction*) and Business (Double Distinction*).
GCSEs at grades A-B, including Maths and English.