

Richard Griffiths

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Profile

With over 16 years of experience in software development and a BSc with Honours in Computer Science from Cardiff University, I specialise in delivering high-performance solutions and leading cross-functional teams to success. Across roles with industry leaders like *Apple* and *Deutsche Bank* I have empowered teams, accelerated development cycles, and contributed to securing substantial funding for future initiatives. Notably, I have turned underperforming projects into success stories, increasing both team productivity and business value.

As a skilled contractor and consultant I bring both technical expertise and strong leadership skills to the table. My roles have varied from Senior Developer to Frontend / UI Team Lead and Technology Director, highlighting my versatility and adaptability. Committed to both quality and efficiency, I have overseen both short-term and long-term projects across various tech stacks.

My commitment to ongoing personal and professional growth includes active participation in the open-source community, allowing me to stay at the forefront of technological advancements.

I am a British (native) and German dual citizen, fluent in English and basic conversational in German (B1 level). My focus is on complex problem-solving, team empowerment, and providing exceptional value to clients and businesses.

Technical Skills

- **Programming Languages**
 - Typescript, Javascript, C#, Java, C++, Lua, PHP, SQL
- **Frameworks & Libraries**
 - React, Next.js, Vue.js, AngularJS, Laravel, Spring, Node.js (Express, Sails.js), jQuery
- **Web Technologies**
 - HTML, CSS, JSX, Tailwind, PostCSS, Sass, Bootstrap, Linters & Prettier
- **State Control & Testing**
 - Redux, MobX, Bespoke Graph-Based
 - Jest, Enzyme, Mocha, Jasmine, Selenium
- **Build & Deployment**
 - Webpack, Babel, Jenkins
 - Google Cloud Platform, Supabase, Vercel
 - Virtual Machines (VMWare, VirtualBox)
 - Containers (Docker)
- **Mobile Development**
 - React Native, Android & iOS
- **Databases**
 - MySQL, MSSQL, SQLite, MongoDB, Oracle
- **Methodologies & Tools**
 - Agile, SCRUM, Kanban, Continuous Integration, RESTful Web Services, GraphQL
- **Security & Authentication**
 - DocuSign, IDScan, 2FA / Multi-factor Auth
- **Specialised Skills**
 - OpenAI GPT AI, OpenCV
 - D3.js
 - Mobile Biometrics
- **Game Development**
 - Unity, Unreal Engine, Meta Quest VR

Contractor | 2012 - 2023

Senior Full Stack Developer | Birdsview (AI SaaS Startup) | Oct 2023

Publicly Available | birdsview.com

In a fast-paced startup environment, I was pivotal in accelerating the get-to-market strategy for Birdsview's AI customer intelligence SaaS product, meeting a critical investor deadline.

I enhanced a React/Next.js app with features, developed a query builder for targeting customers with AI, streamlined UX, designed Supabase databases, deployed via Vercel & improved custom components.

Senior Frontend Developer | Apple | Feb 2023 - June 2023

Undisclosed NDA-covered Development

Hired for developing web tools & apps specialising in computer vision, I fully managed projects from start to finish, maintaining Apple's quality standards. Details are NDA-bound, but my contributions included:

- Significantly contributed to a key milestone, enabling the team to secure funding for future work
- Had full control over frontend development, including approach, technology, and UX
- Utilised a tech stack comprising of React, Typescript, Webpack, Sass, Figma, and Notion
- Employed a quick iteration approach, incorporating user feedback to refine the projects
- Transpiled C++ libraries for WASM (Web Assembly) using Emscripten
- Implemented OpenCV for computer vision functionalities
- Set up federated module support for seamless integration with the parent app
- Reverse-engineered existing tools to improve them, despite the lack of documentation.
- Supported the wider team in managing their workload effectively

Frontend Team Lead | DWS | Oct 2018 - Sept 2022

Publicly Available | online.dws.de | [Apple App Store](#) | [Google Play Store](#) (rebranded to *Morgen Fund*)

I was hired to help the troubled *DWS Investment* app project due to the original development team all leaving. Today it sees 10k+ daily users across the web, iOS and Android apps. This involved team lead, developer, architect, test and devops responsibilities. Over four years I brought successful change and:

- Led the forming & skilling up of a new UI development team on the existing React Native project
- Coordinated and refined ideas and design between the business team and development team
- Improved the development & deployment of a single React Native codebase to multiple platforms (Web, iOS & Android) with regular dependency updates, gradual code simplification & refinement
- Spearheaded the shift to open source frameworks from outdated bespoke systems, modernising the tech stack to enhance developer efficiency and work quality
- Improved the user's experience with the architecture and development of features, some involving bank security reviews such as for biometrics and 2FA / multi-factor auth
- Averted disruptions by assuming control of DevOps & Testing after team closures
- Guided team to take on responsibilities outside their comfort zone to help them grow their skillset
- Unblocked a large complex issue slowing down a company purchase by architecting and implementing a multi-tenant solution for Web and App built from the single codebase
- Helped prevent the cancellation of the project by taking ownership of many areas. The project is now considered high worth by the business and has a high daily user count with more turnover

Senior Frontend Developer | Deutsche Bank | Apr 2016 - Jun 2017

Publicly Available | www.deutscheinvest.lu (rebranded to *Morgen Fund*)

Founding developer of Deutsche Bank / Deutsche A.M's ETF and fund portfolio investment modernisation WISE (white label digital investments solution). I helped craft their vision and:

- Led the design & development of bank-level architecture for a Vue, then React, frontend white-label solution allowing for multiple rollouts to different partners
- Setup and developed three projects that integrated together (Profiling, Onboarding, Dashboard)
- Integrated DocuSign and IDScan third party tooling that sped up UX of user onboarding and increased confidence in confirmation of the user's identity
- Provided assistance for third party partners on white-label implementation for their requirements
- Used a modern development stack (Webpack, Babel, ESLint, PostCSS, StyleLint)

Fullstack Developer | Clifton Asset Management | Sept 2015 - Nov 2015

Publicly Available | www.alternativebusinessfunding.co.uk

Designed & developed the ABF portal as an alternative route to obtain financial funding. Working on:

- All system architecture for the project
- Laravel PHP server, bespoke ACL & permission system and RESTful API development
- Angular Javascript front-end user interface development

Lead Full Stack Developer | Binary Protocol | Aug 2015 - Jun 2016

Closed Alpha Development

Serval was a cold email automation webapp for helping companies develop business leads.

- All system architecture for the web app, Laravel PHP server and RESTful API development
- Angular Javascript front-end user interface development & MongoDB integration

Technology Director & Developer | Rogue Vector | 2011 - 2023

Lead Developer | Cooperative Multiplayer PC Game | Dec 2013 - 2023

Early Access Release | www.solitudegame.com

Solitude is a 3D, first person perspective, online space game. I was lead architect & developer on:

- System architecture design, Unity C# client and C++ server programming
- Embedding Lua programming language into C# .NET and C++
- Embedding Chromium-based Coherent user interface renderer into C# .NET / Unity
- Bespoke 3D Collada model parser, importer & bespoke binary file format architecture & dev
- Localisation & audio architecture and system programming

Java Developer & Consultant | EMC² Corporation | Oct 2007 - Oct 2011

Various projects related to enterprise Java development, alongside Documentum CMS.