Richard Griffiths

richard@fractalrift.com | +49 152 2261 6782 | GitHub | Portfolio | Frankfurt am Main, Germany

Lead Developer & Engineering Manager

Technical leader building high-performing engineering teams across IT, finance, and consumer tech sectors. Proven in delivering scalable, secure systems at global organizations like Apple and Deutsche Bank. Skilled at team building, technical leadership, and accelerating development velocity in dynamic environments. Strong cross-functional communicator who aligns engineering excellence with business goals. Dual British/German citizen (Fluent English, B1 German).

Key Achievements

- Secured additional project funding at Apple by delivering frontend initiatives under tight deadlines.
- Rebuilt and led Deutsche Bank's/DWS frontend team post-turnover, restoring delivery capability and mentoring engineers for long-term success.
- Architected and built a multi-tenant investment system at DWS, unlocking new client expansion opportunities and enabling critical business growth.
- Spearheaded development of HAIA's esports streaming frontend, enabling entry into a new market.

Technical Skills

Frontend: React, Vue.js, Angular, React Native, TSX/JSX, Next.js, Tailwind, Sass, Bootstrap
Backend: Node.js, Spring Boot, Laravel, REST APIs, GraphQL
Languages: TypeScript, JavaScript, Java, C#, C++, Lua, PHP, SQL
Cloud & DevOps: AWS, Google Cloud, Supabase, Vercel, Docker, Jenkins, GitLab CI
Testing & Quality: Vitest, Jest, React Testing Library, Selenium
Databases: PostgreSQL, MySQL, SQLite, MongoDB
Security: DocuSign, IDScan integration, 2FA/Multi-factor authentication, bank-grade security
Methodologies: Agile, Scrum, Kanban, CI/CD

Leadership and Management Skills

- Team building, mentorship and upskilling
- Technical vision, architecture, and roadmapping
- Improving engineering practices
- Driving scalable delivery aligned with business
- Agile delivery, sprint planning, and forecasting
- Coaching team for career growth

Open Source Contributions

- MissionControl - Creator of a widely adopted modding framework for HBS BattleTech (60+ stars).
- react-native-keychain - Contributed support for better security (RSA-OAEP padding) & bug fixes.

Experience

Lead Frontend Developer (Contractor) | HAIA (Esports Streaming Platform) | Feb 2024 - Oct 2024
Publicly Available | streams.plus & event.haia.live

- Led the development of an esports & game streaming platform, delivering strategic market expansion.
- Defined the technical architecture and frontend development standards, ensuring scalability and performance optimisation. Achieved infrastructure cost reductions through efficient caching.
- Added multi-tenant theming, enabling rapid component reuse for projects, reduced timelines & costs.
- Aligned technical delivery with business goals, improving customer satisfaction and agility
- Upgraded HAIA's video platform, resolving critical customer issues and improving platform stability.

Senior Full Stack Developer (Contractor) | Birdsview (AI-Driven SaaS) | Oct 2023
Publicly Available | birdsview.com

- Accelerated go-to-market for Birdsview's AI-driven SaaS platform under tight investor deadlines.
- Enhanced Next.js application features and optimised Supabase databases for scalable AI queries.
- Improved deployment workflows via Vercel, increasing system reliability and delivery speed.

Senior Frontend Developer (Contractor) | Apple (NDA Project) | Feb 2023 - June 2023
Undisclosed NDA-covered Development

- Led full-cycle frontend development of computer vision tools, directly securing critical project funding.
- Architected React and TypeScript solutions integrating OpenCV and C++ libraries via WebAssembly (WASM) and Emscripten.
- Implemented federated module support enabling seamless integration with larger enterprise platforms. Rapidly iterated on prototypes based on stakeholder feedback, ensuring alignment with Apple's internal quality standards.
- Reverse-engineered undocumented legacy tools, improving system performance & maintainability.

Frontend Team Lead (Contractor) | DWS | Oct 2018 - Sept 2022
Publicly Available | online.dws.de | Apple App Store | Google Play Store *(rebranded to Morgen Fund)*

- Rebuilt and led DWS's investment frontend team after full staff turnover, restoring delivery capability across web and mobile platforms.
- Mentored and upskilled junior and mid-level engineers, fostering a culture of technical excellence, ownership, and continuous improvement.
- Architected and implemented a multi-tenant React Native and Web system, unblocking stalled acquisition projects and enabling new client onboarding.
- Delivered major UX and security upgrades, including biometric authentication and 2FA, ensuring compliance with stringent banking security standards.
- Collaborated with cross-functional stakeholders to align technical solutions with broader strategies.

Senior Frontend Developer (Contractor) | Deutsche Bank | Apr 2016 - Jun 2017
Publicly Available | deutscheinvest.lu *(rebranded to Morgen Fund)*

- Founding engineer for Deutsche Bank's white-label investment platform, delivering scalable frontend architecture and launching new robo-investing services for external clients.
- Designed and implemented secure onboarding workflows integrating DocuSign and IDScan technologies, improving customer verification processes.
- Led frontend development transitions from Vue.js to React, enhancing maintainability
- Partnered with product management and design teams to deliver user journeys aligned with business.

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

- System architecture, Unity (C#) client, C++ server programming & NodeJS for backend orchestration