

# Bruno Silva

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Portfolio: <https://brunosilvinosilva.co.uk> - Github: <https://github.com/Brunosil97> - Blogs: <https://brunosilvinosilva.medium.com/>

Product Engineer working at the intersection of legal innovation, frontend development, and enterprise cloud architecture. I lead cross-functional projects that turn complex legal workflows into performant, intuitive tools - combining design, AI, and infrastructure-as-code to deliver secure, scalable solutions within regulated environments

## Skills

Frontend & Web Development	Vue.js (Vue 2 → 3), React, TypeScript, JavaScript (ES6+), Tailwind CSS, Vite, HTML5, CSS3, Storybook, Responsive UI, Accessibility (WCAG), PWA, PHP, jQuery, Vuetify, DaisyUI, Material UI
Cloud & DevOps	Microsoft Azure (Web Apps, B2C Identity Provider, Enterprise Apps, Azure App Registrations), GitHub Actions, CI/CD pipelines, Terraform, Monitoring/logging tools (Azure Monitor, Application Insights, NewRelic)
API & Backend	RESTful APIs, Backend coordination, Authentication (Azure B2C, OAuth2), Node.js + Express, C# /.Net Core/.NET Framework, Swagger, Zend
Testing & Quality	Vitest (unit testing), SonarCloud, Test coverage, Akido, Synk, Orca, ESLint, Prettier, Postman, Lighthouse
AI & Automation	Azure OpenAI, GenAI integration into legal workflows, Prompt engineering, RAG architecture, Embedding search
Tooling & Process	GitHub, Azure DevOps, Markdown/MDX documentation, Confluence, Agile
Project Management	Stakeholder liaison, Agile collaboration, Requirements gathering, Consultant coordination, Product lifecycle ownership

## Work history

### Product Engineer - May 2023 to current

#### Herbert Smith Freehills

- Developed and maintained core UI components for the award-winning Genesis Arbitration platform, recognised for innovation in legal data enhancement at the **FT Innovative Lawyers Europe Awards 2024**. Delivered interactive visualisations and structured logic flows to support arbitration decision-making.
- Spearheaded and led the development of a global forecast scheduling tool for HR/Resource Managers, built in-house to enable accurate fee earner bookings and save **£750k/year** in licensing costs.
- Designed and implemented a custom UI for a B2C Identity Provider using Azure AD B2C, enabling secure client access to internal licensed products worth **£1m+**. Overcame policy file constraints through pure HTML/CSS architecture, inline resource bundling, and external static asset delivery via Azure Blob Storage.
- Build component-driven interfaces using Vue 3 and TypeScript, optimising for performance, reusability, and accessibility. Implement scalable layouts with Tailwind CSS and Storybook for cross-team design consistency.
- Provision and manage Azure Web Apps and Enterprise Applications using Terraform. Collaborate with platform teams to enforce staging/production parity, B2C registration flows, and app-level governance.
- Leading the frontend development of an internal generative AI platform built on the firm's private Azure OpenAI instance. Implementing UI features for model selection, chat history persistence, and real-time interaction with LLMs. Collaborating with backend teams to ensure secure integration, usage logging, and governance compliance.
- Manage and coordinate external consultants for backend development, integrating RESTful API's to ensure smooth implementation of new features.
- Mentored trainee solicitors in GitHub workflows and automation tooling, enabling citizen development and self-service innovation across legal and non-technical teams.
- Regularly liaise with product owners, resource managers, and legal stakeholders to gather requirements, refine user flows, and validate feature releases in agile sprints

## Senior Software Consultant - Sparta Global

### Herbert Smith Freehills (Contract) – April 2022 to April 2023

- Led the development of dynamic single-page applications using Vue.js, delivering responsive, maintainable interfaces aligned with legal platform requirements.
- Conducted structured code reviews and managed merge pipelines, promoting consistency and best practices across the frontend codebase.
- Deployed updates via CI/CD pipelines, integrating unit tests and SonarCloud to ensure code quality and catch regressions pre-merge.
- Authored onboarding guides and technical documentation to accelerate new developer ramp-up and preserve system knowledge.

### Raymond James Investment Services (Contract) – November 2020 – April 2022

- Delivered full-stack functionality across a LAMP stack environment (Linux, Apache, MySQL, PHP), supporting internal and client-facing platforms.
- Built and maintained secure customer-facing applications with PHP, JavaScript, jQuery, and Ajax, improving user interaction and data visibility.
- Enhanced UI responsiveness and backend workflows using Zend and bespoke MVC architecture to improve maintainability and user experience.
- Designed and launched a secure online document sharing platform for investors, replacing paper-based workflows and significantly reducing operational overhead and postal dependencies.

## Education

- **Sparta Global - Software Consultant Trainee**
- **Flatiron School - Software Engineering Graduate**
- **Bachelor of Arts (B.A.) : Drama & Theatre Studies - Royal Holloway, University of London**

## Projects

- **HeikoCBD E-commerce Website:** Developed the [HeikoCBD](#) website using WordPress for a client. This e-commerce platform specializes in CBD products and achieved a £5,000 sales boost in the first month post-launch. The project focused on creating a user-friendly interface, secure payment processing, and efficient product management.
- **HeikoEducation Learning Platform:** Created the [HeikoEducation](#) website, a mobile-friendly platform designed for educational content. The site features journal entries developed by Heiko to raise CBD awareness and is used for running mobile ads. The project aimed to enhance public knowledge about CBD and support Heiko's educational initiatives.

## Extracurricular Activities

- **Volunteer Mentor:** Actively involved in mentoring individuals interested in transitioning into tech careers, particularly those pursuing self-taught paths like myself. Through guidance and support, I've helped mentees develop technical skills and confidence. Notably, one of my mentees successfully secured a junior development role at Giffgaff, demonstrating the impact and value of mentorship in technology.
- **Continuous Learning and Development:** Committed to staying current with the latest developments in the software industry, particularly in the Vue.js framework. I have personally undertaken migrations from Vue 2 to Vue 3 to familiarise myself with the new features and changes. Additionally, I maintain a broader interest in other technologies, continually expanding my knowledge, though not as extensively as with Vue.js. This dedication to learning ensures that I am up-to-date with modern software practices and capable of implementing best practices in my work.
- **Culinary Enthusiast and Social Activities:** A passionate foodie, I enjoy exploring different cuisines and experimenting with cooking new dishes. I cherish spending quality time with my partner and friends, often socialising over a good meal. This personal interest not only enriches my life but also enhances my creativity and problem-solving skills, which I bring into my professional work.