Tim Rayner
Full Stack Software Engineer

Contact

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Personal Statement

Full-stack engineer with 7+ years' experience delivering multimedia and B2B platforms, from large-scale mapping systems to user-facing content curation tools. Skilled in React, C# and distributed architectures, with expertise in identity, account data and user trust. Experienced in building and maintaining platforms used by millions worldwide. I thrive on tackling complexity through iteration and collaboration, creating secure, personalised experiences that connect audiences with the content they love.

I am a quick learner with highly transferable skills across multiple languages and frameworks. My background in C# and .NET has given me strong object-oriented programming foundations, and I am currently expanding my backend expertise with Java to deepen my full-stack capabilities.

Education

2024

(certification) Frontend Masters - JavaScript: The Hard Parts, v2.

(certification) Frontend Masters – Introduction to Next.JS, v3

2021

City & Guilds: Apprentice Software Developer (Level 4)
- *Distinction*

(certification) MTA: HTML5 Application Development Fundamentals
- *Pass*

2018

College Of West Anglia – BTEC Computing (level 3)
- *Distinction*

Experience

Full Stack Engineer – Artlist.io

January 2025 - Present

Artlist.io is a leading digital media platform providing royalty-free music and content tools for millions of global users. Achievements include:

- Built and maintained artist-facing submission and content curation platforms, ensuring secure, scalable workflows for creators uploading and managing music and media assets.

- Migrated legacy systems into modern distributed architectures, improving reliability and reducing platform errors by 100%.

- Contributed to the company's identity and access models, strengthening trust in user and artist data across multiple applications.

- Invited to join and lead a cross-functional AI initiative team, developing next-generation content generation tools (details under NDA, launch expected 2026).

- Collaborated with international engineering teams across the UK, US, and Tel Aviv, delivering features used by millions of creators and subscribers.

- **Tech stack:** React, TypeScript, PHP (Laravel), SQL (PostgreSQL), distributed systems, AWS (IAM, Cognito, S3, SQS, Lambda)

Core Skills

Frontend Development

React · React Native · Next.js · Remix.js · Vue 3 · Vue 2 · Angular · Nuxt.js · Expo · JSX · HTML5 · CSS/SCSS · jQuery · Storybook

Backend Development

NET Core (C# MVC/API) · Entity Framework (Core) · Node.js · Nest.js · Express.js · SQL (PostgreSQL, MySQL, SQL Server) · PHP (limited) · Laravel (limited) · Python · WordPress

Cloud & Infrastructure

AWS (IAM, Cognito, S3, SQS, Lambda) · Azure (Cloud & Functions, DevOps) · Microsoft 365 Development · Serverless functions (Azure, AWS, Supabase)

Testing and Quality Assurance

Cypress · Vitest · Automated Testing · CI/CD Pipelines · Code Reviews

Other Tools and Platforms

Shopify (Liquid, Hydrogen, Oxygen) · Git · Agile/Scrum Collaboration

Side Projects

Notable side projects include:

Mixrate.io

A Social Music Discovery Platform. In continuous progress. MVP was prototyped but taken down from web hosting due to Spotify API Changes.

Frontend Software Engineer – Mobilityways (Liftshare)

Aug 2022 – Dec 2024

Mobilityways is a SaaS platform focused on sustainable travel, providing B2B and consumer-facing applications used by organisations and commuters across the UK.

- Developed and maintained core dashboard features in Vue 3, modernising the codebase by migrating legacy Vue 2 modules to Vue 3 with the Composition API and Pinia state management, improving performance and maintainability.

- Delivered high-visibility projects such as the Liftshare X Esso Thoughtful Driving Campaign, collaborating with product owners, design teams, and backend engineers to ship user-facing features to strict brand and technical specifications.

- Integrated with .NET Core and SQL backend APIs, improving API contracts and reducing frontend defects by extending test coverage by 20% every quarter.

- Established frontend testing practices with Cypress and improved release reliability through stricter code review and CI/CD pipelines.

- Collaborated in an agile, cross-functional team, contributing to sprint planning, retrospectives, and peer reviews, while coordinating closely with external partners and stakeholders.

- **Tech stack:** Vue 3 & Vue.js, TypeScript, React Native, C#, Razor, Handlebars.js, SQL, Cypress, CI/CD, Azure functions

Full Stack Developer – Asprey Assets

April 2022 – August 2022

Asprey Assets provides asset management software to social housing committees, delivered via cloud-based single page applications and APIs.

I joined as a junior developer and quickly progressed to delivering across the full stack while taking on additional leadership responsibilities. Key achievements include:

- Led the initiative to integrate a full-stack testing infrastructure, strengthening product quality and reducing regressions across the system.

- **Tech stack:** Angular, .NET Core, SQL Server, Git, CI/CD, automated testing

Full Stack Developer – Crisp Malt

October 2019 – August 2022

Crisp Malt is a leading supplier in the food and beverage industry. I joined as an apprentice developer and, after achieving a Distinction, progressed to become one of the company's primary web engineers.

react-esign

My first open source react npm package. Zero dependency component package for electronic signature implementation development.

Luna Tunes

A pet project built for a friend – builds you a Spotify playlist based on your daily horoscope reading.

DreamDrive

Reimagine your car anywhere in the world, combining generative ai with maps, and street view development.

The Swan Station

A live countdown timer built with web sockets. Timer can be reset by anyone by entering a correct sequence of numbers. Updates in real time for all users.

Coming Soon...

I'm always working on new side projects, often relevant to technology I need/want to learn for work purposes.

During this time, I developed core full-stack and cloud skills while taking ownership of significant platform initiatives:

- Pioneered the migration of legacy systems into Microsoft Azure, improving scalability, reliability, and accessibility across multiple sites in the UK and EU.

- Tech stack: C#, ASP.NET Core & Framework, Entity Framework Core, SQL, React, Microsoft Azure, Azure DevOps

References

Available upon request.