

Francesco Vurchio

Junior Software Engineer | Full-Stack Developer

Manchester, UK (Remote/Hybrid-ready, open to relocation) | +44 7971 817846 | francesco.vurchio82@gmail.com

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Personal Statement

As a highly motivated and adaptable Junior Software Engineer, I am passionate about software development and problem-solving. With hands-on experience in JavaScript, TypeScript, React, and Node.js, I have built scalable applications using Agile methodologies, Test-Driven Development (TDD), and cloud-based technologies. I thrive in collaborative, fast-paced environments, continuously learning and improving my technical skills. I am eager to contribute to an innovative engineering team and grow within a dynamic and technology-driven environment.

Technical Skills & Expertise

Languages & Frameworks: JavaScript, TypeScript, Node.js, React.js, React Native, Express

Databases: PostgreSQL, Supabase, MongoDB, Firestore

DevOps & CI/CD: Git, GitHub Actions, Docker (intro), Vercel

Testing: Jest, Cypress, Supertest, TDD

Frontend & UX: HTML/CSS, Tailwind CSS, WCAG 2.1, Google OAuth

APIs: RESTful services, Google Maps, Spotify, Stripe

Practices: Agile (Scrum), Pair Programming, Clean Architecture

Tooling: ESLint, Prettier, GitHub Co-Pilot, Cursor (learning)

Key Strengths

- **Web & Mobile Development:** Comfortable building full-stack apps, with a focus on the user experience and clean, readable code.
- **Adaptability & Eagerness to Learn:** Quick to pick up new tools and frameworks, keen to expand my knowledge in DevOps and cloud platforms.
- **Attention to Detail:** I take pride in writing code that's not just functional but maintainable and accessible.

Projects

Paperly | AI Chat with Your Documents

Solo Project | [GitHub](#) | [Live Site](#)

- Built a full-featured SaaS app using Next.js, Firebase, and Tailwind CSS to enable document uploads, AI-powered interaction & managed authentications with Clerk in production mode.
- Integrated OpenAI and LangChain to provide contextual, memory-aware chatbot responses based on uploaded documents.
- Implemented subscription-based plans using production-ready Stripe Checkout and Webhooks.
- Deployed on Vercel with full support for dark mode, responsive UI, and scalable architecture via Firestore and Pinecone.

Clarity Capture | Notes Capturing & Collaboration Platform

Solo Project | [GitHub](#) | [Live Site](#)

- Built a feature-rich notes app using Next.js, TailwindCSS, and Firestore, with real-time collaboration powered by Liveblocks.
- Integrated secure authentication via Clerk and AI-powered backend functionality with Cloudflare Workers.
- Enhanced user engagement through a versatile rich-text (BlockNote) and responsive design.

EventSphere | Event Management Platform

Solo Project | [GitHub](#) | [Live Site](#)

- Developed a full-stack app using React and Supabase with real-time functionality and user authentication.
- Integrated Stripe for payments, Google Maps, and Google Calendar enhancing user experience.
- Implemented event browsing, registration, donation features, and admin page to add new events.

Wax | Social Media Platform for Music Enthusiasts

Group Project | [GitHub](#)

- Built a mobile app using React Native, AWS and MongoDB providing real-time functionality and authentication.
- Integrated the Spotify API for personalised music recommendations.
- Implemented features allowing users to rate, and review songs and albums.

Experience

Ultimate Hero

Sept 2024 - Dec 2024

Data Analytics API(Cryptocurrency)

Manchester, UK

- Improved query performance by 30% through database schema design and optimisation.
- Enhanced type safety and reduced errors by migrating JavaScript files to TypeScript.
- Contributed to full-stack development by building efficient seed scripts and implementing Jest testing.

Tech Returners

July 2024 - Aug 2024

Freelance Software Engineer Project Consultant

Manchester, UK

- Delivered a bespoke web application with OAuth authentication (Google, Supabase), enhancing security.
- Improved UI/UX using React, ensuring accessibility and responsive design.
- Developed backend solutions with Supabase, streamlining data management.

Northcoders

Oct 2023 - Jan 2024

Trainee Full-Stack Developer

Manchester, UK

- Completed an intensive coding bootcamp, mastering React, Node.js, PostgreSQL, and full-stack development.
- Delivered test-driven projects using Jest and Supertest in an Agile environment.
- Enhanced front-end expertise by creating complex web applications.

Education

The Open University

BSc Hons Sport, Fitness & Coaching | 2015 - 2021 | Upper second class (2:1)

- Focused on psychology, leadership, and strategic thinking, skills I now bring into tech.

Courses & Certifications

Northcoders Software Engineering Bootcamp – 2024

Codecademy – Advanced JavaScript – 2024

Upcoming: Professional Scrum Master Certification

Currently Exploring: Cloud services (AWS & Azure), Infrastructure as Code, AI tools