

Francesco Vurchio

Junior Software Engineer | Full-Stack Developer

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

Personal Statement

As a Junior Software Engineer, I bring a strong foundation in JavaScript, TypeScript, React, and Node.js, with a focus on building scalable, user-centric applications. My experience in full-stack development, combined with Agile methodologies, Test-Driven Development (TDD), and problem solving skills, enables me to thrive in dynamic tech environments. I am eager to apply my skills in creating impactful, modern solutions while continuously learning and growing.

Technical Skills & Expertise

Programming Languages:	JavaScript, TypeScript, SQL
Object-Oriented Programming:	SOLID principles, design patterns
Front-End:	React, Next.js, React Native, HTML5, CSS3, TailwindCSS, Expo
Back-End:	Node.js, Express, MongoDB, PostgreSQL
Testing:	Jest, Cypress, Supertest, TDD, API Testing
Version Control & CI/CD:	Git, GitHub, Cloudflare, Vercel, Supabase, Firebase, Netlify
Methodologies:	Agile, Scrum, Pair Programming, Code Reviews

Projects

Clarity Capture | Notes Capturing & Collaboration Platform

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

- Developed a real-time note-taking app with Next.js, React, and TailwindCSS, integrating Liveblocks for collaborative editing.
- Built a secure authentication via Clerk and AI-powered backend functionality with Cloudflare Workers.
- Leveraged Firestore for scalable data storage, ensuring high performance and security.

EventSphere | Event Management Platform

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

- Developed a full-stack event booking platform using React, Supabase, and Stripe for secure payments.
- Integrated Google Maps and Google Calendar APIs to enhance user experience.
- Optimised database queries and UI performance to increase event registration.

Wax | Social Media Platform for Music Enthusiasts

Group Project | [GitHub](#)

- Developed a mobile app using React Native, AWS and MongoDB enhancing real-time interactions and authentications.
- Integrated the Spotify API for personalised music recommendations, increasing users' community.
- Applied Agile development with daily stand-ups and code reviews, ensuring efficient collaboration.

Experience

Ultimate Hero

Data Analytics API(Cryptocurrency) | Sept 2024 - Dec 2024 | Manchester, UK

- Designed and optimised database schemas, improving query performance by 30%.
- Migrated JavaScript files to TypeScript, enhancing type safety and reducing errors.
- Built efficient seed scripts, contributed to full-stack development, and implemented Jest testing.

Tech Returners

Freelance Software Engineer Project Consultant | July 2024 - Aug 2024 | Manchester, UK

- Delivered a bespoke web application with OAuth authentication (Google, Supabase), enhancing security.
- Enhanced UI/UX using React, ensuring accessibility and responsive design.
- Developed backend solutions with Supabase, improving database efficiency and security compliance.

Northcoders

Trainee Full-Stack Developer | Oct 2023 - Jan 2024 | Manchester, UK

- Completed an intensive coding bootcamp, mastering React, Node.js, PostgreSQL, and full-stack development.
- Applied Test-Drive Development(TDD) using Jest and Supertest to create robust, high-quality code.
- Developed and deployed scalable web applications while collaborating in Agile teams.

The Gym Group/Plant Powered PT

Personal Trainer | May 2018 - Sep 2023 | Manchester, UK

- Established and managed a self-employed personal training business.
- Delivered PT sessions, developed business strategies, and conducted marketing and promotions.

Education

The Open University

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

Modules included Sports Psychology, Coaching, Management, and Advanced Nutrition.

Courses & Certifications

Northcoders | Software Engineering Bootcamp | 2023- 2024

Codecademy | Learn Advanced Javascript | 2024

Upcoming: Professional Scrum Master Certification