

Joe Whitworth

Junior Software Engineer

[portfolio](#) | [linkedin](#) | [github.com](#)
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Passionate Software Developer with a background in Accounting and Finance, embarking on a transformative journey into the software development realm. Currently undergoing intensive training at the Northcoders bootcamp, specialising in Javascript and React. Leveraging strong interpersonal skills, problem-solving expertise, and a keen eye for detail, I am eager to contribute to dynamic projects and make a meaningful impact in the software development landscape.

Technologies and Languages

Language(s): JavaScript, using Node.js and browsers as environment
Testing: Test Driven Development (TDD), Jest, Supertest
Back-end: SQL, PSQL, Seeding, Migrations, Socket.IO
Front-end: HTML, CSS, React, React-Spring, Lighthouse and other accessibility tools
Hosting: Render, CloudFlare, Netlify
Soft skills: Paired Programming, Technical Communication, SDL, Agile and SCRUM methodologies

Work Experience

Junior Software Developer	Northcoders	Oct 23 - Jan 24
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My Northcoders experience was a transformative journey where I acquired proficiency in JavaScript, delved into the intricacies of back-end development using Node.js, and mastered front-end technologies, including React. The curriculum emphasised fundamental programming principles, test-driven development, and workplace best practices. The pinnacle of my learning was the Project Phase, offering hands-on experience in real-world projects.

Projects:

[Resource Rivals \(Live Demo\)](#)

Resource Rivals, a dynamic 2-player browser card game inspired by Jaipur, strategically utilised Socket.IO for precise data control, allowing unique card sets for players while maintaining a shared table view. Overcoming the initial challenge of defining data passage, we pivoted from Phaser due to time constraints, opting for React-Spring and CSS keyframes to ensure engaging animations. This agile adaptation allowed us to deliver a captivating multiplayer game within the project's constraints.

[Crowley's News Back-end](#)

This project explored the realm of dynamic web applications, delivering a user-centric news platform with a strong emphasis on community interaction. I utilised Node.js, for server-side development, along with PostgreSQL for robust database management. Navigating user authentication and building an interactive community interface presented initial hurdles. PostgreSQL's database management also required keen attention to maintain data integrity. Through rigorous testing, employing Jest for early issue detection and a commitment to continuous learning, I overcame these challenges.

Crowley's News Front-end

Utilising the Crowley's News Back-end API, my front-end project showcases proficiency in HTML, React, CSS and Lighthouse, providing a visually appealing and responsive user interface. Navigating responsive design complexities and ensuring optimal performance posed initial challenges. Also, managing state and handling asynchronous operations in React added more complexity. I embraced a mobile-first approach for responsive design, optimising user experience across devices. Continuous testing and monitoring using Lighthouse ensured a streamlined and efficient application. Leveraging React's state management played a key role in delivering a polished front-end.

Accounting & Finance Coordinator	Concord Theatricals UK Ltd	Nov 22 - Jul 23
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- Orchestrated end-of-month processes for EU Theatrical bank accounts, ensuring financial accuracy
- Implemented streamlined processes, boosting operational efficiency and productivity
- Conducted in-depth investigations of unidentified receipts, showcasing strong analytical skills
- Evaluated monthly aged debtors, providing actionable insights for Credit Control optimization

Accounting Associate	Binnies Uk Ltd	Jul 19 - Nov 22
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- Executed accurate journal entries, resolving variances and contributing to audit readiness
- Coordinated government compliance filings, demonstrating commitment to regulatory standards
- Managed reconciliation of multiple currency bank accounts, ensuring data accuracy.
- Oversaw the preparation of intercompany invoices, efficiently resolving accounts receivable queries

Credit Control Administrator	Penta Consulting Ltd	Jul 18 - Jul 19
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- Conducted regular bank account checks, posting an allocating payments on Navision, ensuring accurate financial records
- Managed communication with clients, facilitating timely approval and scheduled payments for invoices, fostering positive client relations
- Saved potential costs by efficiently clearing credit limits for inactive clients, totaling approximately 8 million GBP in credit exposure for the company

Education and Certifications

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| ● Diploma of Higher Education , University of Plymouth, Plymouth. | 2014-2018 |
| ● AAT Level 3 Diploma Certificate , East Surrey College, Surrey. | 2013-2014 |
| ● Business Studies 90-Credit Diploma , East Surrey College, Surrey. | 2012-2013 |

Interests

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- Self-directed Learning, utilising free online resources to acquire knowledge and skills
 - Game Development (Self-studying 3D Environmental Design with the Unity Engine)
 - Dungeons & Dragons and other tabletop games for their emphasis on problem-solving and group collaboration
 - Photography, with basic skills in Photoshop