

**Ben Mallen**

**Junior Software Developer**

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

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## Personal Statement

A career-changer with a background in electrical production engineering and music teaching, applying problem-solving, creativity, and technical precision to software development. Recently completed the Northcoders Software Development Bootcamp, gaining hands-on experience in full-stack JavaScript development. Known for adaptability, resilience, and a passion for learning, I bring a unique perspective to technical challenges and aim to deliver impactful solutions as a Junior Software Developer.

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## Technical Skills

- **Languages:** JavaScript (Node.js, React) – Proficient in building full-stack applications.
  - **Testing:** Test Driven Development (Jest, Supertest) – Skilled in automated testing.
  - **Tools & Deployment:** Git, GitHub, VS Code, Netlify, Cloudflare – Experienced in version control and deploying live applications.
  - **Back-End:** Node.js, Express, SQL, PostgreSQL – familiar with building RESTful APIs and database management.
  - **Front-End:** React, HTML, CSS – Developed dynamic, accessible user interfaces.
  - **Professional Skills:** Pair programming, Agile/SCRUM, problem-solving, and effective communication.
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## Professional Development

### Northcoders

*Trainee Software Developer* | Oct 2022 – Feb 2025

- Developed and deployed a full-stack news application (NC News) using React Node.js, Express, PostgreSQL.
- **Backend development:** Built a RESTful API with full CRUD functionality and complex data queries.
- **Frontend development:** Structured the React application with clear component design, state management, and routing, integrating the backend API.
- Employed [Test Driven Development](#) (Jest) to ensure backend API reliability and functionality.

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## Professional Experience

### Electrical Engineer

*HW Solutions Ltd (contractor) & Freelance* | Jan 2022 – Present

- Designed, installed, and tested HVAC control systems in commercial and industrial settings.
- Worked on high-profile projects including NHS hospitals, submarine manufacturers, and Fortrea Clinical Trials.
- Collaborated as the primary contractor for Johnson Controls, ensuring system functionality and precision.

### Production Manager

*Giraffe Controls* | Jun 2022 – Jul 2024

- Streamlined production workflows and supply chain operations using Bit Systems supply chain software and Sage accounting, enhancing inventory control and operational accuracy.
- Coordinated with managers, suppliers, and clients to ensure timely and accurate order fulfilment.

### Music Teacher

*Front Row Music & Staves Music School* | May 2018 – Feb 2020

- Delivered engaging lessons tailored to diverse learners, including students with additional needs.
- Developed creative lesson plans that enhanced student engagement and improved learning outcomes.
- Built strong rapport with parents and carers to ensure positive learning environments.

### Support Worker

*Various Roles* | Sep 2020 – Jan 2022

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## Education

- **BCS Organisational Behaviour** | BCS, November 2023
- **PG Cert Building Surveying** | University of Salford, 2020
- **BA Music (Jazz)** | Leeds College of Music, 2013
- **BTEC National Diploma in Music Practice** | Bury College, 2007