

ROBERT BOWDEN

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[linkedin.com](#) · [My GitHub](#)

Recent Graduate with 2 years of industry experience working as a Software Developer. Gained technical experience as a Frontend Developer for an agrichemical company and as a Full-Stack Developer for a Language Learning Application using Natural Language Processing and large language models. Used HTML, CSS, and JavaScript for designing and developing end-user facing web application functions.

Developed and utilised API endpoints using Node.js, Express on the Backend and React for the Frontend. Developed back-end components integrating Database Technologies such as MongoDB, Firebase and SQL. Developed NLP features for language learning applications using machine learning algorithms and integrated large language models. Familiar with Agile and Scrum methodology and documentation standards.

EXPERIENCE

JULY 2022 – PRESENT

FULL STACK DEVELOPER, OWNER, [MINIFLASH](#)

- Developed a comprehensive language learning application utilising a communicative approach – with mobile platform, online dashboard for tracking, and interactive language-learning components – that saw 260 users and 1,200+ page views within the first 80 days.
- Integrated tracking and analytics into the app to improve user engagement and retention. Pivoted the single registration model to a progressive password-less registration model, decreasing bounce-rate by 19%.
- Developed as a progressive web application with cross-platform compatibility that was accessible on multiple platforms, accommodating for 65% share of mobile traffic to the site.

JULY 2021 – JULY 2022

FRONTEND DEVELOPER, [SYNGENTA AG](#)

- Experienced developing interactive internal webpages for SharePoint using HTML, CSS, and JavaScript to provide employees with efficient access to information and resources, decreasing pages-to-resource down from an average of 4 to 2.
- Worked in a team to develop a digitally focused lanyard system with a link-tree style webpage to provide ease-of-access to Wiki-style resource pages created to help FF&P workers solve system problems, decreasing tickets by 28%.
- Experienced communicating within a geographically and culturally diverse set of teams across EAME, APAC and AMER.

For earlier, less relevant work experience, see my LinkedIn [click here](#).

EDUCATION

SEPTEMBER 2019 - MAY 2023 (FIRST)

BSC COMPUTER SCIENCE, MANCHESTER METROPOLITAN UNIVERSITY

Highlighted modules: Programming, Introduction to Web Design & Development, Advanced Programming, Algorithms & Data Structures, Artificial Intelligence, Mobile Applications Development, Programming Languages: Principles & Design.

- My bachelor's degree in computer science, which included a strong emphasis on software development, combined with coursework on databases, networking, and operating systems, has set me on a pathway for success in a professional software development environment.
- Having worked on artificial intelligence projects and problems as part of my educational experience, I have gained a deep appreciation of the potential of AI to revolutionise the business landscape.
- Having developed in-depth knowledge of advanced algorithms and data structures through multiple projects as part of my degree, I am confident in my abilities to design, develop and optimise complex software solutions.

For an overview of degree modules and other education, see my [LinkedIn Education](#).

SKILLS

INTERPERSONAL SKILLS

- Communication
- Teamwork
- Problem Solving
- Creativity
- Adaptability

TECHNICAL SKILLS

- Data Structures & Algorithms
- Programming Languages
- Agile, Scrum, Waterfall
- IDEs, OS, Networks
- SDLC, Testing, DRY, Debugging
- Chrome Dev Tools

TOOLS & TECHNOLOGIES

- Java, C++, C#, Python, JavaScript
- React.js, Next.js, Node.js, Express.js
- MySQL, MongoDB, PostgreSQL
- AWS, Google Cloud
- HTML5, CSS3 + SASS + SCSS
- Git, GitHub
- Linux, Windows, iOS, Android

FOCUSES

- Natural Language Processing
- Language Models
- Artificial Intelligence & Machine Learning

LINKS

PROJECTS

- [My GitHub](#)

AWARDS & HONOURS

- Ideas Festival Finalist 2023