
ARCHIE BUXTON

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PROFILE

I am a Product Design Engineering Masters graduate from Loughborough University with experience delivering digital solutions from concept to implementation. I combine technical knowledge with strong communication, organisation and problem-solving skills, and I am seeking a permanent role focused on delivering projects and improving business systems.

I have experience in project planning, stakeholder management and process improvement, alongside technical skills in Python, web development, Next.js, Spring Boot and databases. I am now looking to build on this experience in a role where I can coordinate teams, improve processes and deliver successful outcomes.

EMPLOYMENT

Oct 2024 - Sept 2026 **Software Engineer** at Bentley Motors.

- Designed and delivered an enterprise web application, replacing a manual spreadsheet-based process with a secure multi-user digital platform used internationally across multiple business areas.
- The solution is projected to deliver £11.5 million in cost savings over six years for Bentley.
- Presented the project to the Board and held weekly progress meetings with Directors to align delivery, gather feedback, and ensure stakeholder buy-in.
- Led full-stack development, covering frontend UX, backend architecture, database design, and deployment.
- Owned the full delivery lifecycle, including user testing, stakeholder engagement, and iterative improvements to optimise efficiency, accuracy, and user experience.

Sep 2022 - Aug 2023 **Software Engineer** at Cambridge MedTech (www.electronrx.com).

- Heavily involved in the front-end design and programming of a BSI certified medical device app used to measure your cardiac metrics using the sensors in a mobile phone.
- Flutter and Dart, Firebase, Test Engineering, Product Lifecycle, UX designer, App Store Connect.
- I was Usability lead for all BSI documentation.

Jul 2021 - Aug 2021 **Summer Internship** at Rabbit and Pork (a Voice User Interface design consultancy).

- Created both an Amazon Alexa Skill and Google Action.

Sep 2018 - Dec 2018 **Technical Support and Customer Service Assistant** for Premier Business Audio Ltd.

- Answering phones and helping customers with technical difficulties and administration work.
- I completed my level 1 foundation training in UiPath and created robot process automations to make repetitive tasks more efficient.

EDUCATION

Loughborough University (2019 – 2024)

Attained a **first class degree** Masters in Product Design Engineering (MEng). Active Affiliate of the IMechE.

Key modules: Software Engineering – Human Computer Interaction – Mechatronics and Machine Control – Project Management – Electronics and Electrical Technology – Finance and Law – Engineering Science – Sustainable Product Lifecycle Engineering – Advanced CAD (NX11 & Solidworks)

Sherborne School (2013 – 2018)

3 A levels & EPQ Maths (A*), Physics (A), Design and Technology (A). Extended Project Qualification - a dissertation on "How will Graphene Change the Design of Wearable Technology." (A)

Awarded the **Design Scholarship**.

HOBBIES

- Qualified British Gliding Association Instructor.
- At Loughborough University, held a committee role responsible for marketing, including redesigning the club website in WordPress, producing video content, and managing social media, clothing, events and promotions.
- Founded a Python coding club and have developed and launched several applications.
- Raised £14,364 for charity across five fundraising events, and was nominated for a National Student Fundraising Association award.
- Competed in the Loughborough University 1st rowing four and served as Treasurer of the Rowing Club.
- Served four years in the Sherborne School CCF Royal Navy Section, achieving promotion to Chief Petty Officer (one of two in cohort).
- Awarded Duke of Edinburgh's Gold Award and completed the 35-mile Ten Tors challenge (Dartmoor, 2015)

TECHNICAL COMPETENCIES

React; NextJS; Vercel; Spring Boot; AI; Flutter; Dart; Firebase; Jira; Bitbucket; WordPress; UiPath; Python; Full Microsoft Office suite (esp. VBA in Excel); Visual Studio Code and many more...

REFERENCES ARE AVAILABLE ON REQUEST
