

BEN SMITH

Glasgow, UK

+44 7917 081725

bens6477@gmail.com

[GitHub - bens6477](https://github.com/bens6477)

[LinkedIn - bens6477](https://www.linkedin.com/in/bens6477)

PERSONAL STATEMENT

Full Stack Software Developer at Barclays Bank with over 2 years of software development experience, and a further 15 months of engineering experience in five different companies. I am a self-starter, extremely driven and always looking to develop new and existing technical skills to push myself to succeed. I thrive in fast-paced environments and actively seek challenges in both collaborative and solo projects, proven through my high performance at university and in previous companies.

SKILLS

Frontend	Backend	Frameworks	Databases	Testing	Deployment
LWC HTML CSS JavaScript React	Java Apex Visualforce Python MATLAB	OpenAPI Django jQuery Bootstrap Flask	SOQL/SOSL PostgreSQL SQLAlchemy	Apex Testing Jest Unittest JUnit	Git Heroku GitHub BitBucket

EDUCATION

DIPLOMA IN SOFTWARE DEVELOPMENT (MERIT)

Code Institute, The Learning People, Sep 2021 – Feb 2023

Developed an active understanding of a wide range of languages, frameworks, testing procedures and deployment technologies through hands-on experience designing and building personal projects.

THE FITNESS LAB – PYTHON, DJANGO, STRIPE FULL STACK WEBSITE

- ♦ Built an online sportswear store which securely handled customer payments, confirmation emails and order details, with custom styling and user profiles.
- ♦ Extensively tested feature functionality, browser compatibility and site performance.

EXPLORING UNSEEN BLOG – PYTHON, DJANGO FULL STACK WEBSITE

- ♦ Constructed a travel blog website with user profiles and CRUD functionality for articles and comments.
- ♦ Fully responsive design and optimised performance for screen sizes from mobile up to desktop

BATTLESHIPS – PYTHON COMMAND-LINE APPLICATION

- ♦ Defensive design focused on handling exceptions in user input with custom error messages for each case.
- ♦ Developed well-defined granular functions to manipulate class instances, nested lists and dictionaries in the simplest, most concise way possible.

BEng MECHANICAL ENGINEERING (FIRST CLASS)

University Of Strathclyde, Sep 2017 – May 2021

My first-class engineering degree has equipped me with a firm understanding of computational analysis, CAD software, programming, and product design, with an average grade of 86% across all years.

FINAL YEAR PROJECT

- ♦ Designed a thermal FEA model in ANSYS to simulate thermal distribution while friction-stir-welding two different metals.
- ♦ Created APDL code scripts to initialise conditions, run simulations, evaluate results, and diagnose bugs.

TEAM PROJECT

- ♦ Designed and built a hydrokinetic cross flow turbine, in a team of five students, to acquire the maximum possible energy rate from a raised water supply.
- ♦ Encoded MATLAB scripts to calculate theoretical water flow rates, torque generation and power output.
- ♦ Led project as team manager, distributing roles relevant to individual strengths, addressed uncooperating members, and directed efforts to meet deadlines throughout the year.

WORK EXPERIENCE

SALESFORCE SOFTWARE DEVELOPER

Barclays Wealth Management, Barclays Bank, May 2022 – Present,

- ◆ Became a key team player being the main Salesforce developer in my team, teaching new joiners in their development and leading team discussions.
- ◆ Solely designed custom LWCs from the ground up, integrated with custom Apex controllers, triggers, SOQL queries and metadata.
- ◆ Designed and constructed Java mini apps with database integrations and APIs to Salesforce and other internal systems
- ◆ Presented fortnightly demos to stakeholders to gather feedback on new functionality.

MECHANICAL ENGINEER INTERN

Touch Bionics, Össur, Jun – Aug 2021

- ◆ Designed, modelled, and presented personal projects to company executives at design reviews.
- ◆ Gained immersive knowledge of management and cost reduction strategies utilised within engineering businesses and the philosophy for sustaining strong customer relationships.
- ◆ Determined strategies for improving the production process by creating simpler designs and clearer manufacturing and building instructions in accordance with technical requirements.

DESIGN & INSPECTION ENGINEER INTERN

Ritchie Precision Engineering, Jun – Sep 2020

- ◆ Automated inspection processes using PC-DMIS code and CMM software, increasing the accuracy and throughput of the company's inspection stage.
- ◆ Exceeded expectations of work rate, knowledge retention and ability for learning quickly on the job, evidenced through a permanent job offer before graduating from university.

PRODUCT DESIGN CONSULTANT

Obadiah Coffee Roasters, Aug 2019 – Jan 2020

- ◆ Contracted as sole product design consultant for Obadiah Coffee Roasters to design a bespoke sustainable coffee container for multipurpose café functionality.

VOLUNTARY EXPERIENCE

BAND & PRODUCTION COORDINATOR

Hillsong Church Edinburgh, Jun 2018 – Sep 2021

- ◆ Organised our church worship band collective of forty musicians, singers, and sound engineers, leading weekly rehearsals and equipment training, enhancing my methods of directing and coaching people.

QUALIFICATIONS & ACHIEVEMENTS

- ✓ Dean's Certificate for Distinction in 1st, 2nd, and 3rd Year Mechanical Engineering
- ✓ Certified SolidWorks Associate – Mechanical Design
- ✓ West Calder High School Dux
- ✓ Best Regional Score in Higher Mathematics (99%), John Tease Mathematics Award
- ✓ Three Scottish Advanced Highers (Grade A): Physics, Mathematics and Music
- ✓ Five Scottish Highers (Grade A): Physics, Mathematics, Chemistry, English, and Music

INTERESTS

Group activities such as hiking and football, and creating and playing music with piano, drums, and guitar.