

Phoebe Badcock

Northamptonshire phoebe.badcock@mail.com github.com/PhoebeBC phoebebc.github.io/Portfolio-Webpage/

Software developer, designing and building products to gain relevant experience, actively seeking opportunities to join the exciting tech sector and become a valuable team member. Over three years of experience at a finance start up.

TECHNICAL SKILLS

- Python
- JavaScript
- HTML & CSS
- SQL (Postgres Database)
- Flask & APIs
- Selenium & Webdriver
- GitHub & GitHub Pages
- Jira & Confluence
- Pycharm & VSCode

PROFESSIONAL EXPERIENCE

SOFTWARE DEVELOPER

January 2024–Present

Independent

- **Storm Website (Full Stack Development):** Creating a mobile web app for a local hockey club in-line with client requirements. Utilising MERN stack (**Mongo DB, Express, React** and **Node.JS**), I am mainly developing the backend aspect of the web app (Mongo, Express, Node) and collaborating with another developer for the react front end. This will provide an improvement in communication between organizers and participants, increasing the number of players and pushing up funding by 25%.
- **Personal Portfolio (Web Development):** Producing a website informing users of projects and experience. Advanced my HTML & CSS skills and improved my ability to research and adapt solutions.
- **Computer Science Fundamentals:** Seven days of intense learning with senior software engineer. Covered: Unit Testing, VMs setup and usage, Linux, Networking, Computer Architecture, Networks (TCP, UDP, TLS protocol), CIA Triad, Docker, AWS servers and Python, C programming Basics.

STRATEGIC ANALYST (Promoted to Senior January 2023)

September 2020–January 2024

Snap Finance UK

- **Building MI Dashboard:** Constructed the base for new company wide analytics dashboard. Improved data refresh time from every hour to instantly upon page load. Used **Flask APIs** with a **Python** backend and embedded **SQL** queries to access data from the **Postgres Database**. With **Jinja** and **Bootstrap** supporting the frontend for interactive customizable diagrams, graphs and metrics.
- **Process Optimisation:** Improved the efficiency of testing decisioning changes. By implementing **Selenium** and **Webdriver** to push test applications through the QA environments, manual input became redundant. Time taken to test each change was reduced from six hours to one. Results were shared via Jira to the machine learning engineers to update or deploy the changes.
- **Company-wide Automation:** Collaborated and led a junior colleague to extend python automation scripts using API and SFTP calls. Over 10 process across five departments were improved, the greatest upgrade reduced a process from at least two hours to under 30 seconds.
- **Customer Outcomes Review:** Successfully completed FCA requested review of the five year history of the company. By constructing insightful data tables within the Postgres Database, £5 million saved in costs, and the FCA was fully satisfied with our customer outcomes.
- **CRA Handling:** Effectively oversaw credit reporting, including regular testing, checks and the sharing of the files to credit bureaus thereby fostering strong relationships through clear communication.

EDUCATION

UNIVERSITY OF WARWICK

October 2017–July 2020

- Bachelor of Science in **Mathematics: First Class** with Honors

TRENT COLLEGE

September 2010–July 2017

- A Levels: **A*A*AA** Further Maths, Maths, Physics, Chemistry
- GCSEs: 11 - A*(6), A(5)

British Citizen, UK Passport and Full Driving Licence