Lily Boughton

📞 07899897311
@ lily.boughton@hotmail.co.uk
in Lily Boughton

I'm a keen, knowledgeable and detail orientated **Full Stack Software Developer**, with a particular interest in back-end technologies. I'm adaptable, fast-learning and can self-manage and lead client facing engagements, as well as collaborate effectively with cross-functional teams. I'm now seeking a fresh, new opportunity in an innovative, and pragmatic software development setting.

KEY SKILLS AND TECHNOLOGIES

- Node.js
- TypeScript/JavaScript
- React
- Java
- Python
- Terraform

- AWS
  - Lambda
  - SQS, SNS EventBridge
  - DynamoDB
  - API Gateway
  - Step Functions

- Test Driven Development
- Trunk Based Development
- Continuous Integration
- Infrastructure as Code
- Agile Methodologies
- Pair Programming

EMPLOYMENT HISTORY

Software Developer, Thoughtworks

May 2022 - Present

Working as a consultant developer at Thoughtworks, I have been staffed onto a variety of client-facing projects across the public, private and third sector.

Public Sector: Delivering a task management system

Working with the client to develop their ways of working, as well as to build a task management system, we introduced best practices such as **pair programming** and **test driven development**. For auditing purposes, we use short-lived branches, pull requests and code reviews, but also use feature toggles to ensure that code can be **continuously integrated** and regularly deployed. This is a greenfield project with a React front end and using **Python lambdas** to retrieve data from endpoints managed by another service. We are currently undergoing a re-architecture to utilise **EventBridge** to decouple these services. We are also using **Cognito** for user management.

Energy Research and Consultancy: Delivering a Data Platform

I joined an existing Thoughtworks team to help prepare for transitioning the codebase back to client developers. The project had been to work on a legacy codebase (of 40+ repos) in need of **refactoring** and updating as well as continued feature development for the Data Platform. We used **trunk based development** and Jenkins pipelines to manage **continuous deployments**. We paired with client developers, transferring knowledge as part of the transition.

Charity Foundation: Inception

This was a 5 week project where we helped the client design a thin slice approach to delivering additional functionality to an existing application. We helped them create a backlog of prioritised stories and started work on the initial implementation. (**PHP** backend and **Vue** frontend)

Financial Services: Data Platform Discovery

We worked with the client as they negotiated a partnership deal with a major technology corporation. We were tasked with understanding the complex needs of the client and to validate that the proposed partnership would satisfy these needs. Using various workshop tools, such as futurespectives, **value stream mapping**, **user journey maps** and more, we were able to place our client in a strong position for their negotiations.

Thoughtworks University and Initial Project

In my first three weeks at Thoughtworks, I attended 'Thoughtworks University'. This course laid foundations in software development, agile practices and consulting skills. I then went on to join an internal TW project where we were building a reporting app (**Java** backend and **React** frontend), using **GoCD** pipelines to manage releases.

Student, iO Academy
September 2021 - December 2021

During my time at iO Academy, I worked on a number of projects, both individual and in a scrum team. I also had the opportunity to be the Scrum Master for one of our team projects which was a really rewarding experience. In these projects, I used version control (GIT), implementing a team branching strategy, performed code reviews, and enjoyed both navigating and driving when pair programming. Details of these projects are on my portfolio.

Maths Teacher, Warminster School [CONTRACT]
March 2021 - July 2021

Teaching Maths to classes from Year 7 to Year 11, including preparing Year 11 students for their end of year assessments that replaced standard exams due to covid. Form tutor to Year 11 students, responsible for behaviour management and general well-being. Planning, marking, assessing and liaising with parents. This experience highlighted to me how much I enjoy sharing my knowledge with others, helping them understand concepts they find difficult.

Travelling and Temp Work
February 2020 - March 2021

Having quit my job to start six months travelling, I managed 10 days in India before being summoned home by the government due to a global pandemic. I spent this unexpected 'free' time qualifying to teach English as a foreign language (TEFL), being the primary child care for my 3-year-old nephew and having a go at challenges on FreeCodeCamp. I also kept myself busy working as a temporary Stock Manager for a builder's merchants and as a Business Analyst for an upholstery school.

Multiple Roles, allmanhall Ltd
Insights and Innovations Manager: May 2019 - February 2020

Leading the development of our client portal (built using the **Salesforce** platform and **Apex** and **Visualforce** programming languages). Overseeing the maintenance of the Salesforce database. Responsible for business wide efficiency analysis, solution development and implementation. Line managing one member of staff. Lead for internal training of technical skills.

Finance Manager: October 2017 - May 2019

On promotion. Running and improving (bringing skills from previous roles) the day-to-day finance function. Line managing (up to) 4 direct reports. Studying for the CIMA Certificate in Business Accounting.

Insights Analyst: April - October 2017

Creating insightful reporting suites that demonstrate the value we add to our clients. Using **VBA** to write macros to automate the report generation, driving efficiencies where possible.

Data Management Analyst, Information Works
September 2015 - April 2017

Cleansing data using queries and **Regex** in **SQL** and **Microsoft SQL Server** database management.

EDUCATION
BSc Hons Mathematics with Spanish
Royal Holloway, University of London, 2012-2015

A Levels: Maths, Spanish and History
Monkton Senior School, 2010-2012

PROFESSIONAL QUALIFICATIONS
AWS Certified Cloud Practitioner
Amazon Web Services, September 2023

Certified Scrum Master
Scrum Alliance, September 2021

HOBBIES AND INTERESTS
My main hobbies are sewing and upholstery. In 2016 I gained a diploma in upholstery and have enjoyed restoring a number of different projects. I've also sewn too many face-masks to mention! As an alternative to the Lockdown Quizzes, I designed and built a virtual escape room for my friends' Friday night entertainment which I also managed to repurpose and use as a revision game when I was teaching.