Liam Cooper - Software Engineer

Mobile: 07903895774
Email: ls.cooper.127@gmail.com
Portfolio: https://liamcooper27.github.io

Personal Statment

A software engineer currently working on gaining experience with the most relevant technologies to help me on my journey to becoming a better full stack developer and a valuable asset to a company. My current professional backend work is focussed on working with Asp.Net core/C# with MongoDb to develop and maintain Api's on a daily basis. My professional frontend work is mostly with Javascript framework React.js.

Work Experience

Sony UK Technology Center(October 2020 - Present) Software Engineer
- Currently work in a small software team in the R&D department where our main responsibility is to create web pages that visualise the data that the machines on the production line are producing. Within this team I have taken on more of a leadership role as I am the most experienced on the team which is made up of mainly graduates and apprentices.
- The web pages that I create are written in React.js and take advantage of React-redux to help with the state management.
- I also maintain older versions of production line web pages which are written in plain html/css and vanilla javascript with a small bit of php. I have been the driving force behind the project of converting these older versions into React.js to help with developer productivity, speed of new feature development and ease of maintenance for these web pages.
- I have also dabbled in a bit of php as the api's that I use to get the data from the machines for my web pages are written in php so sometimes I need to look through the php code and communicate with the backend developers to help my understanding when using the data on the frontend, I also use a tool called postman to help with this.
- As a side project I am currently working on unifying the factory's use of Git amongst all departments, to achieve this I have had to do some research into the best Git services to use like Github, Gitlab and present my findings in meetings that I chair with an attendance of 20+ from the different departments.

CDSM Interactive solutions (Jan 2020 - October 2020) Junior Software Developer
- I worked as a part of a team in an agile environment on the infrastructure for a web application which provides users with a learning environment.
- My main role was to work on different api's that make up the main web application called Thinqi.
- My focus was mainly on backend work using Asp.Net core/C# and MongoDb. The repositories I worked on are run as a docker containers
- Used Git for version control.
- Done small amount of frontend work using CoffeeScript, React.js and testing user interfaces with Cypress.

Education

2016 – 2019   Swansea University
BSc (Hons) Computer Science – First Class
- The first year helped me gain the skills to understand the elements of a programming language which was taught through Java.

- Second year helped me apply these skills further in a team environment which also gave me experience using GitHub. This year also helped me to gain a better understanding of how algorithms work and introduced me to software testing.
- Third year allowed me to branch out and gain skills in many different fields like mobile/web application development, data visualisation and machine learning.

2013 – 2015   Neath Port Talbot College
Level 3 extended diploma in IT – Distinction* Distinction* Distinction*
- Here I was first introduced to programming using visual basic, the basics of web application development using HTML/CSS and graphics design.
ECDL (European Computer Driving License)

2008 – 2013   Cwrt Sart Comprehensive School
Five GCSE's grade A-C including Maths and English.

Technical Skills

Programming languages & frameworks
- **Java**
  - The language I used throughout the three years of my degree. Used to create a variety of things like an android app to allow users to create meetings with other users.
- **Python**
  - Used for my third year project which involved machine learning, the main libraries I used were Scikit-learn, Matplotlib and Pandas.
- **HTML/CSS, Javascript, Bootstrap**
  - Use daily for creating web pages in my current deployment.
- **MongoDb, MS SQL**
- **Asp.Net core**
  - Used this on a daily basis at my previous employment for backend development written in C#.
- **Flask Python web framework**
  - This was used as a part of my third year project as the backend for my website.
- **React.js**
  - Use this at my current employment to create web pages to be displayed on monitors on the production line of the factory.

Development environments
- **Jupyter Notebooks**
- **Visual Studio/Visual studio code**
- **Android Studio**

Version control
- **Git**

Accomplishments
Represented my college in the 2015 South Wales WorldSkills web development competition.

Hobbies and Interests
A hobby that I am passionate about is playing football. Every weekend I play for a local 11-a-side Sunday league team and also run a 6-a-side team which usually play at the start of the week.
I like to keep up to date with my programming skills in my spare time, to do this I usually take part in the courses that run on Codecademy. Here I like to start courses that will help me to further improve on languages that I already know or use it to become familiar with a new language.