My interest for creating and writing programs was further developed during my time qualifying as a software engineer, which then encouraged me to certify with Java. This has enabled me to fuel my passion as I continue to write programs in my free time. The experiences I have had both learning new skills and applying these in the workplace have shaped me into an efficient software engineer, and I am keen to grow along with the dynamic world of technology.   
  
My first degree in Mathematics taught me a great deal. As well as learning about the basic rules of logic, I became more confident in problem solving, which required me to approach a problem from different perspectives. I had the opportunity to build upon my analytical skills where I learnt to pay attention to details that might be overlooked by others and also be able to follow difficult concepts. During the course of my degree, I was trained to communicate technically challenging information with my peers and lecturers, and I believe this skill is vital for a software engineer to be able to effectively work in a team. To this day, I am still using these skills which have helped my improvement and success in the workplace.   
As part of the agile methodology, I broke down the design, testing and modifying processes and consulted the team for feedback on this process. As a visual aid to help explain the tool, I used a flowchart which was appreciated by the team. This was made easier as I was a permanent employee at Humphreys, so I was able to repeatedly modify the application until successful. I used JAVA, more specifically, JSP, JAVA Beans and Servlets. As a web-server, I used Tomcat and for the database I used Oracle 8.0 and non-SQL database XML. We encountered a problem with a package, ASSENT, that we used to manually index the documents as there was a high risk of losing data. To overcome this, I created a piece of code using Visual Basic 3 which automated the process and reduced human error.   
  
Currently, I am working with the Home Office. As I am continuously looking for ways to progress, I always proposed new idea to my management and volunteered myself to take responsibility for the entire project.  I already automated many services for the unit Detainee Escorting Population Management Unit (DEPMU ) so increased its productivity and reduced human error thus improved accuracy and also saved staff time

At present, I am developing a matrimonial website for the Tamil community using Java. For the front ends, I am using (Html5, CSS3, Java script and java scriplets) to create JSPs, to develop Eclipse 4.7 (Oxygen), Tomcat 9 as Webserver, Database is MYSQL 5.5 and Junit for testing. This application requires a lot of detail; therefore, I have included 65 data fields making this highly logical. I originally developed the application in a Windows environment and now I am converting into Centos (LINUX environment). 