**Monroe Gilbert**

**FDM Consultant**

**Profile**

Monroe possesses an innate desire for knowledge and is thusly dedicated to its pursuit. This is evident by virtue of the fact that he is the very first among his family to attend higher education. The Java programming language was chosen by Monroe because the mastery of Java represents a grand challenge, it is therefore becoming of his interest both in programming and in self-improvement. To Monroe, coding is not merely a means to an end but rather represents a way of thinking that he seeks to engender within himself. This interest in coding was fashioned into a skillset to be reckoned with by his experiences in Generic University when tasked with replicating a chaotic environment within Python code. Having experienced and enjoyed the Python code, it is only natural that he would apply himself to another.

One must take it upon themselves to be meticulous to become a good Java developer; wielding an analytical attention to detail and a conscientious work ethic. There is no greater testament to the way in which Monroe has made himself emblematic of these virtues than his performance when tasked with his third-year project: “Solar Wind Conditions Driving Geomagnetic Activity”. This undertaking required him to analyse 15 years of ACE (Advanced Composite Explorer) satellite telemetry, data which was then cross-referenced with data from ionospheric readings and magnetometry data from ionosonde stations and NOAA (National Oceanic and Atmospheric Administration) across the same interval of time. In the light of this history of academic and personal accomplishment; it is only natural that Monroe would seek employment with institutions that provide the challenges necessary to accentuate his skillset.

**FDM Employment History**

**Diebold Nixdorf, Bracknell July 2019 – April 2020**  
*Build Developer/Technical Specialist*

A build developer for the LIDL international to be used to fully build and implement software for self-checkouts and attendant stations from an internal server these would then be used in stores for 14 different LIDL countries. Each build contained a core repository that would be implemented across all countries. A country specific package was also created per country to implement changes such as localized language, characters and keyboard types etc.

* Build Development of Self Checkouts (SCOs) and Attendant Stations (ATT) for LIDL.
* Creation of the Core Repository to be used in all countries that contained software packages to be deployed.
* The Core was compiled in WiseScript with programming to install the software in the repository and modify the registry accordingly on a Build Server.
* The Core contained the system images (Operating System) to be deployed and the core is a large ~4GB executable.
* Creation of RUP (Repository Update Packages) for countries to update their Core versions when a newer version is available; because of Bug fixes as well as an update to software packages.
* The development of a country package that is specific to each country, this contains the GUI that is used on the SCOs and ATT.
* Integration of specific GUI changes that have been request by the specific country LIDL client, for example certain countries requiring fiscal printers.
* Updating of cash and coin recyclers for new notes and coin releases, each country package having its own currency files to accept a certain currency also cash recyclers to accept or reject certain high value notes e.g. €200 notes.
* Creation of localized country build for each Lidl country upon request with modifications requested. E.g. different gui or colour schemes.

**Nationwide, Swindon November 2018 – January 2019**  
*Associate/Technical Architect*

* Resolve application estate to formally determine if any applications have been decommissioned and to reduce technical debt in the process.
* Looking at the cost breakdown of applications on the estate and verifying the validity of the Expenditure, great focus was put on applications that has been decommissioned yet are still incurring costs.
* Verifying ownership of applications by communicating with Senior Architects and SMEs for accountability and traceability.
* Assisting Senior Enterprise Architects with roadmaps, strategy and where appropriate the initial phases of the project life-cycle.
* Continuation of Enterprise One population with all necessary data in order to pass governance checks before being pushed out to the Architects, Business owners, Project Managers.
* Gather and assimilate information regarding application structure from official documentation and using such data to communicate to third party vendors regarding their applications.

**BAE for Nationwide, Swindon July 2018 – November 2018**  
*Associate/Technical Architect*

* Liaised with senior stakeholders such as Senior Enterprise Architects, SMEs and Senior Architects
* Used soft skills such as communications skills (actively listening and articulating your ideas in writing and verbally), teamwork skills (working effectively with anyone with different skill sets/personalities), management skills (creating and motivating a high performing team), leadership skills (defining and communicating vision and ideas that inspires others to follow with commitment and dedication),
* Holding responsibility for application landscape across nationwide. Controlling the technical scope, adherence to the scope and implementation in line with bets practice across all engagements
* Assisted Enterprise One architects with the data input and changes to the User interface of Enterprise One.
* Collected important data that would be useful for nationwide, in particular Senior Architects that will use it within their projects and for business insights and decisions.
* Consolidation of the application estate to create a single source of truth, each application has traceable and verifiable data direct from an SME (Subject Matter Expert).

**FDM Training**

**FDM Academy, Birmingham April 2017 – June 2017**

Monroe has completed the Java Development programme. This programme included the following modules:

1. **Structured Query Language** including database manipulation;
2. **Unix** including Vi Editor, Shell Scripting;
3. **Web Apps Design** including HTML 5, CSS3, XML
4. **ISTQB ISEB** including fundamentals of testing, testing through the software lifecycle, static testing, test design techniques, test management and tool support for testing;
5. **Object Oriented Development** including Core Syntax, OOP and SOLID principles;
6. **Object Oriented Development** including Core Syntax, Design Patterns;
7. **Object Oriented Development** including Jenkins, Maven, GIT, TDD, Mockito, Logging;
8. **Data Access** **in Java** including JDBC, JPA;
9. **Web Programming** including JSP, MVC,
10. **Spring Framework** including spring-core, spring-beans, spring-webmvc;
11. **Software Development Project** over the course of two weeks;
12. **Sign Off Week** includes a final Exam and Technical interview.

**Rai Supermarket, Birmingham July 2013 – August 2013**

**Previous Employment History**

*Sales Assistant*

* Rai supermarket, voluntary work as a sales assistant
* Stacking shelves, Serving and dealing with customers in a professional manner in addition to receiving customer complaints
* A great deal of skills such as teamwork to improve performance and ingenuity to organize stock so It could more effectively be transferred.
* Some of the challenges that were faced were dealing with incredibly frustrated customers and having to calm them down in addition to a great deal of stock consolidation and distribution.

**Education**

**Generic University September 2013 – July 2017**

**BS (Hons.) Astrophysics, 2:1**

Modules included:

General Relativity and Cosmology

Concepts in Condensed Matter Physics

Numerical Methods

Quantum Mechanics 1

Data Handling and Statistics

Electricity and Magnetism

Energy and The Environment

**Generic Sixth form August 2011 – June 2013**

BTEC Level 3 Extended Diploma in Applied Science, Triple Distinction\*

**Other Skills:** Python spyder – Beginner

Scilab - Beginner