JOSEPH MCERLEAN

Software Engineer (Full Stack Development)

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Experienced and passionate Software Engineer with strongly demonstrated academic and professional history in software industries. Currently working remotely as a full stack Software Engineer for Oracle Cerner. Working closely with Oxford University Hospitals trust and other testing partners to design and implement a patient administration system. Searching for a new opportunity that will challenge problem-solving abilities and enable further professional growth.

PROFESSIONAL EXPERIENCE & PROJECTS

March 2019 — Present | *Oracle Cerner* | *Software Engineer*

In an agile team, tasked to continuously develop an internationally used patient administration system. The role mainly consisted of maintaining and developing new REST services and front-end enhancements to handle appointments and patient statuses in workflows for both UK and Sweden markets. Additionally, as testing was performed and clients used the product, bug reports were logged and resolved with short deadlines to provide hot-fixes, ensuring minimum client issues.

During several projects, the team worked well to breakdown and design new solutions to help adapt our product for the Swedish market. Working at Oracle Cerner offered formal experience in multiple languages and enabled use of a wide range of frameworks, whilst primarily utilising Java. Recent responsibilities include front-end framework decisions for new features and mentoring new junior engineers.

October 2017 — February 2018 | *Lancaster University* | *Application to Diagnose Early Stages of Dementia*

Researched the Paired-Associated Learning Test (PAL) and developed an android application that digitised the set of cognitive processes followed to diagnose early stages of dementia in patients showing levels of Mild Cognitive Impairment.

February 2016 — November 2018 | *Self Employed* | *Freelance Web Designer / Search Engine Optimiser*

Designed various websites in niche market areas specifically to monetise through advert and affiliate revenue. Implemented a range of on-site search engine optimisation techniques to provide high keyword rankings.

January 2012 — August 2014 | *HostComm* | *Technical Customer Service Engineer*

Provided both frontend and backend support for customers IP Telephony systems and helped to securely configure customer networks and firewalls. Frequently provided database support to hosted dialer clients by creating custom queries for the database to provide detailed reports.

EDUCATION

September 2015 — July 2018 | *Lancaster University* | *BSc Computer Science (2:1)*

Core Modules: *Software Development, Fundamentals of Computer Science, Distributed Systems, Operating Systems, Advanced Programming, Databases, Software Design, Artificial Intelligence, Embedded Systems, Networking*

September 2014 — July 2015 | *Leicester College* | *Access To Higher Education — Computing*

Successfully completed with 42 Distinctions and 3 Merits over various computing modules.

September 2008 — July 2011 | *Robert Smyth Academy* | *GCSE & A Levels*

Attained 9 GCSE's A* - C including Maths and English. AS Mathematics & AS Economics

POSITIONS OF RESPONSIBILITY

Oracle Cerner Release Captain: The role involved tracking all code changes being added to a major release for the product. Additionally, if any issues with specific project releases were flagged on release or after testing, the cause of the problem would need to be found in Git and the developer would need to be contacted to resolve the issue.

Lancaster University Skydiving Society President: Organised group skydiving trips, arranged discounts for the students with the dropzone and managed society accounts.

SKILLS & EXPERTISE

Programming Languages: Java, JavaScript, Python, C, Ruby, SQL, CCL, HTML, CSS, LaTeX

Frameworks: JUnit, Mockito, React, TypeScript, NodeJS, BootStrap, Cucumber, OSGi

Processes: Agile, Scrum, Lean, Kanban, TDD

Miscellaneous: Git, Docker, JIRA, Crucible, Maven, Jenkins, OOP, Code Review, Problem Solving, SEO, Linux, Bash, REST, XML, VOIP, EOD Provisioning

REFERENCES

AVAILABLE UPON REQUEST