

# JASON MC CLAFFERTY

Junior Telecoms Consultant Engineer - Test Analyst

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## WORK EXPERIENCE

### Telecoms Engineer in Test (Radio Access Network)

**CapGemini/Altran & Vodafone**

Aug 2019 – Mar 2021

Newbury, UK

- Worked as one of four Radio Access Network team members supporting Vodafone UK's national telecommunications network upgrade roll out.
- Executed, analysed and documented regression and functional test sets.
- Analysed Radio Link Control, Radio Resource Control, Packet Data Control Protocol, Medium Access Control messages with TEMS and XCAL Air Interface logging tools.
- Captured, validated and analysed Internet Messaging System (SIP) messages using Wireshark as part of an SBC upgrade in cooperation with DigiTalk & Vesta Payment vendor teams.
- Coordinated network node configuration changes to support testing projects with offshore support teams.
- Mentored and supported junior colleagues.
- Learned from, worked with and took over responsibilities from multiple teams during the Covid Pandemic.

Wireshark   SIP Protocol   RAN Protocol Stack   Teamwork  
Mentoring & Leadership   Test Execution & Documentation

## PROJECTS

### DevOps

#### Continuous Integration Pipeline Basics

Grade 1.1

Sept '18

- Built a Continuous Integration pipeline in an AGILE team.

Ubuntu Linux   Java   Maven   Git & GitHub   Jenkins  
Docker   Jira   Burndown & Velocity Charts

### Research in Computing with Emerging Technologies

#### IoT Interface using Gesture Recognition

Sept '18

- Researched OpenCV (Python), Websockets, NodeRed, Node.js.
- Developed a hand-gesture based user interface for controlling a Phillips Hue light using Microsoft Kinect SDK, Unity Game Engine (C#) and the Phillips Hue REST API.

C#   RESTful API   WebSockets   Python   Linux

### Design for the Mobile Context

#### Emotionally Engaging Game Concept Design Studio

Oct '18

- Conceptualized and delivered a design for an emotionally engaging game.

LEAN UX   Prototyping   Teamwork   A/B testing

## EDUCATION

B.Sc. (Hons.) Computing with Games Development

**Letterkenny Institute of Technology**

May 2019

Donegal, Ireland

## SKILLS

### Test Execution & Analysis

- Test Documentation, Wireshark, HP Quality Centre Application Life-Cycle Management.
- Change Ticketing Systems, Microsoft Office.

### Software Development

- SOLID principles.
- OOP & Functional Programming.
- C#, Java, JavaScript, Linux, Git, Github.

### Some Experience with:

DevOps, Mongo DB, Express.js, React.js, Node.js, Game & UX Design, JIRA, Python, Ansible, Go, Scala.

## TECH INTERESTS

- Data & Machine Learning:**  
Considering coding a Sentiment Analysis based trading algorithm.
- DevOps & System Engineering:**  
CI/CD/CD, Microservices, 'As A Service' Architecture, Automation, Kanban & The Four Types of Work.
- Currently Reading:**  
Skiena's Algorithm Design Manual.
- Favourite Books etc.:**  
The Phoenix Project, DevOps for Dummies, Robert C. Martin's Lecture Series, Rob Fielding's REST PhD Paper.

## COMMUNITY WORK



**Mevagh CoderDojo**

Volunteered to assist in the local CoderDojo.



**Centre for Talented Youth Ireland**

Coordinated a Scratch programming class with twenty 8 - 13 year old students.

Social Skills   Motivation   Courtesy

## OTHER INTERESTS

Music   GAA   Fitness   Investing

Football   Reading   Gaming