

# Joseph Kavanagh

## SYSTEMS ENGINEER

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### INTRODUCTION

I am a recent Computer Science graduate from Durham University with a keen interest in DevOps. My interest in computers stemmed from my childhood where my father would always be taking apart and fixing electronics and eventually built my first PC with me. I always seek to ensure I architect reliable, secure and fault-tolerant systems. In my spare time I am either studying, spending time with friends, playing video games or tinkering with applications on my home or cloud servers.

### HOW TO REACH ME:

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josephkav.io

### CERTIFICATIONS

#### Red Hat Certified Specialist in Ansible Automation

Certification ID: 200-171-080  
Current Until: 07/12/2023



### WORK EXPERIENCE

#### Managed Systems Engineer

Orb Data | Aug. 2020 to present

Orb manage the monitoring of systems/devices for various companies, primarily using IBM Tivoli. I have updated various systems and transitioned a few to new platforms/environments with the help of Ansible, Docker as well as Terraform. My role has also involved looking into the way things are currently being performed and designing/implementing ways to improve them through automation and version-control.

#### Summer Intern

IBM | July. 2018 to Sept. 2018

Cyber Fundamentals program designed to develop strong cyber security related skills and experience. Included working with a company in the energy industry to develop a phishing solution.

Topics covered included:

- Internet and Hardware
- Networking
- Cyber Crime Industry
- Cloud architecture, management, and security
- Linux administration
- Defensive and Offensive Cyber
- JS/Python/C++/Bash

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### SKILLS

- Linux
- Ansible Automation
- Docker
- Python
- Java
- C++
- Networking
- Git

### EDUCATIONAL TRAINING

#### Durham University (2016-2020)

First Class Bachelor of Science (Hons) in Computer Science

Modules included Software Engineering, Software Methodologies, Advanced Computer Systems and Digital Electronics, Theory of Computation, Parallel Programming, Networks and Systems.

Final Year Project (Dissertation): Snake-in-the-box. Implemented three different algorithms to solve the snake-in-the-box problem and compared the effectiveness of each.

#### The Campion School (2009-2016)

4 A Levels:

A\*: Mathematics.

A : Further Mathematics, Biology and Chemistry.

11 GCSEs:

A\*: Computer Science, Mathematics, Physics, History.

A : Biology, Chemistry, English Literature, English Language, Classical Studies, Italian, Religious Education.