

# ALAN RAE

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## EXPERIENCE

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### NHS National Services Scotland

May. '21 - Present

#### Principal Cloud Engineer

- Management of NHS Scotland's Cloud infrastructure with continuous improvements
- Providing technical leadership in architecture, security and deployment of Azure based solutions
- Continuous updates to tooling for fully integrated CI/CD with Terraform
- Providing on-call support for various critical cloud apps across NHS Scotland

### CMS Window Systems

Apr. '18 - Apr. '21

#### IT Systems Administrator

- Responsible for improving and securing current IT Systems together with support of the existing infrastructure
- Planned and implemented new wireless infrastructure across the business with multiple locations
- Implemented an intrusion detection system (IDS) for network and security monitoring

### CMS Window Systems

Feb. '17 - Apr. '18

#### IT Assistant – Part Time whilst studying at university

- Responsible for deployment of new workstations using automation and testing new patches
- Termination of network cable at new office locations and using testing tools
- Movement of IT equipment between office locations and secure destruction of old hardware

### RM Results

Apr. '17 – Jul. '17

#### Systems Engineer – Full time whilst on summer break from university

- Responsible for solving technical issues related to online e-marking software used across the UK
- Handling sensitive information from education bodies (SQA, ACCA, AQA, OCR, Cambridge Assessment)

## EDUCATION

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### Microsoft & HashiCorp

May. '18 - Present

- Terraform Associate
- Azure Solutions Architect / Cybersecurity Architect
- Azure Administrator / Security / Network / DevOps Engineer / MCSA / MCSE

### University of the West of Scotland

Sep. '16 – Apr '18

#### MSc Information & Network Security

- PGDip Information & Network Security

#### BSc (Hons) Computer Networking

- BSc Computer Networking & BSc (Hons) Computer Networking with first class honors

## SKILLS

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Windows & Linux, PowerShell/Shell, SQL Management, Azure Cloud Services, Azure Active Directory

## PROJECTS

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### NHS Scotland - Coronavirus Status App

Building infrastructure with Terraform, setting up Azure B2C securely to hold 1 million+ users

### Street Assist Edinburgh – Volunteering with various IT improvements

Implementation of new secure electronic audit system & website improvements with Azure charity grant