

# William Smale

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## SUMMARY

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An outgoing, industrious individual, with demonstrated enthusiasm and competency in application and infrastructure security with 5+ years experience in IT security.

**KEY SKILLS:** Python, Terraform, GitLab, HashiCorp Vault, CI/CD, OWASP, Penetration Testing, Kubernetes, Docker, Bash, SQL, Solidity, Linux, Windows, MacOS, GitHub, Threat Modelling, Burp, Wiz, Cycode, AWS, Google Cloud, Azure, DAST, SAST, SCA

## PROFESSIONAL EXPERIENCE

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**GFK** London, UK  
*IT Security Analyst* *April 2023 – Present*

- Owner of asset management; Developed and deployed a service that tracks and categorises domains across the company.
- Owner of bug bounty program; Triaged bug reports and assisted development teams in remediation.
- Vulnerability management reporting; Automation of the reporting process.
- Driving the shift left policy; Defining & implementing pipelines end to end.
- Performed educational workshops for development teams.
- Collaborating with a team across multiple time zones: USA, UK, Germany, India, and Malaysia.
- Worked through a merger and a divestment of the business.

**Quantum Gate** London, UK  
*DevSecOps Engineer* *September 2022 – February 2023*

- Led the design and deployment of CI/CD pipelines. Mentored development team in ‘shifting left’.
- Deployed and managed Docker Swarm, implemented Graylog, elastic search and MariaDB for monitoring and logging.

**Telic Consulting** Johannesburg, RSA  
*Security Engineer* *March 2018 – March 2022*

Successfully secured sensitive company and customer information. Deployed a centralised key management capability across MTN’s footprint improving the organisation’s security posture, bringing the company in line with GDPR.

### MTN - Lead Architect

- Led the implementation, integration and training of the new key management capability across 13 countries.
- Designed and adapted the key management reference architecture in line with unique requirements and use cases highlighted by stakeholders within each country targeted for deployment.
- Drafted key management policy and standard documentation in line with stakeholder requirements and industry best practices (NIST, ISO).

### MTN - Business Analyst

- Identified key platforms, to be secured, that processed or stored sensitive company/customer information.
- Gathered technical requirements from key stakeholders across the company for multiple RFPs.
- Provided support to multiple countries, analysed their environment, identified crown jewel systems, facilitated knowledge transfer between countries, tracked program progress, and addressed the implementation team's blockers.
- Conducted gap analyses of threat intelligence platforms to determine the necessity of RFP/RFI.
- Developed documentation in line with stakeholder requirements and industry best practices (NIST, ISO), including:
  - Key management and data encryption policies, standards and processes.
  - Drafting segmentation of duties (SoD) application standards, assisting in requirements gathering for SoD RFP.

### Discovery Bank - Security Analyst

- Administered Splunk. Provisioned user access and built dashboards in line with stakeholder requirements.
- Conducted analysis of existing production architecture, to determine alignment with target reference architecture.
- Developed data analytics tools using Python/Pandas for vulnerability data processing and aggregated reporting.

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## LEADERSHIP EXPERIENCE

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**GFK** London, UK  
*IT Security Analyst* *April 2023 – Present*

- Owner of asset management; Developed and deployed a service that tracks and categorises domains across the company.
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- Performed educational workshops for development teams.

**Quantum Gate** London, UK  
*DevSecOps Engineer* *September 2022 – February 2023*

- Led the design and deployment of CI/CD pipelines. Mentored development team in ‘shifting left’.

**Telic Consulting** Johannesburg, RSA  
*Security Engineer* *March 2018 – March 2022*

- Led the implementation and integration process of the key management capability across ~13 target countries.
- Providing support to multiple countries in analysing their environments, identifying systems, prioritising systems, tracking program progress, facilitating knowledge transfer, and addressing the implementation team's blockers.

## EDUCATION

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**Rhodes University** Grahamstown, RSA  
*BSc Honours in Computer Science* *2017*  
*BSc in Computer Science & Information Systems* *2013 – 2016*

**Michaelhouse** Balgowan, RSA  
*Matric* *2008 – 2012*

## CURRENT STUDIES

Offensive Security Certified Professional (OSCP)

## SKILLS

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### Programming Languages & Technologies:

Python, Bash, SQL, Solidity, C#, RegEx

### Tools & Platforms:

AWS, Google Cloud, Azure, Terraform, HashiCorp Vault, Kubernetes, Docker, Linux, Windows, MacOS, Burp, Synk, Cycode, Wiz, GitLab, GitHub

### Processes & Frameworks:

CI/CD, OWASP, Penetration Testing, Threat Modelling, DAST, SAST, SCA

## INTERESTS

Information Security, Penetration Testing, Smart Contracts, Diving, Chess, Maui Thai, Gaming, Philosophy, Birding, Travel

## WILL PROVIDE REFERENCES ON REQUEST