

Roshan Ranadeerage

Junior Cyber Security Analyst

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Personal Profile:

An astute and technically proficient professional with over ten years of experience in data manipulation, visualisation, and workflow optimisation, now transitioning into a dedicated cyber security role. Holds the **NCFE Level 3 Certificate in Cyber Security Practices**, providing a solid grounding in secure digital operations, vulnerability identification, and the application of appropriate security controls. Skilled in collaborating with cross-functional teams to support threat-aware decision-making and strengthen organisational resilience. Brings a strong background in data management and statistical programming, with proven ability to design efficient data workflows, ensure data integrity, and uphold rigorous quality assurance standards. Combines analytical precision with emerging cyber security expertise to bridge data-driven insight with modern security principles and regulatory expectations.

Key Skills

- **Cyber Security:** Vulnerability Assessment, Security Controls, Incident Response
- **Virtualisation & Platforms:** Hyper-V, Kali Linux, Raspberry Pi
- **Programming & Scripting:** Python, R, SQL, PL/SQL, SAS (MACRO, ODS, GRAPH), HTML, DAX, Power Automate
- **Data Analysis & Visualisation:** Power BI, Tableau, Shiny, Excel, SAS v9.4
- **Database Management:** MySQL, PostgreSQL, Oracle Clinical, Medidata Rave
- **Tools & Software:** GitHub, Visual Studio Code, SAS Enterprise Guide, Snowflake
- **Project & Stakeholder Management:** Cross-functional collaboration, mentoring, problem-solving

Cyber Security Project

Setting up testing and security research Lab

Nov 2025 – Feb 2026

- Set up and configured a Windows virtual machine on Hyper-V, creating a secure and isolated environment for testing and analysis.
- Installed and configured Nessus vulnerability scanner on the Windows VM, enabling comprehensive vulnerability assessment.
- Conducted full vulnerability scans, including credentialled scans, to identify and assess security risks.
- Installed intentionally vulnerable software to simulate real-world attack scenarios and evaluate system defences.
- Developed and implemented remediation strategies to address identified vulnerabilities and strengthen system resilience.

Project Link: [Setting Up Cybersecurity Analyst Lab at Home](#)

Professional Experience

Richmond Pharmacology Ltd | London, UK Statistical Programmer, Jul 2021 – Jun 2023

Mar 2013 – Jun 2023

- Led quality control reviews of SDTM, ADaM, and TFL (tables, figures, and listings) through double programming techniques.
- Created and validated SDTM/ADaM datasets, ensuring regulatory standards and best practices.
- Collaborated with statisticians and data managers to align data requirements and delivery timelines.
- Provided mentorship to junior team members, focusing on data set development and customised analysis outputs.
- Utilised Pinnacle21 Enterprise to validate datasets, swiftly resolving any quality issues.

Junior Statistical Programmer, Oct 2019 – Jun 2021

- Performed QC of TFL outputs, verifying alignment with dataset specifications and the Statistical Analysis Plan.
- Harmonised data from external sources (ECG, lab, PK/PD) with raw data to ensure consistency and accuracy.

- Identified and reported time-window deviations and plausible/implausible values and addressed data discrepancies promptly.
- Reviewed TFL shells, ad-hoc outputs, and programming strategies from both coding and operational standpoints.

SAS Programmer, May 2018 – Sep 2019

- Extracted essential raw data from e-CRFs and Oracle clinical studies and processed third-party data files.
- Collaborated with data managers, study project managers, and the clinical team to ensure data accuracy and resolve data-related inquiries from the statistical analyst team.
- Prepared SDTM/ADaM datasets for submission to the statistical analyst team.
- Standardised and harmonised internal and external data sources, including ECG and laboratory data.
- Reviewed and managed data transfer agreements, ensuring the timely reception of critical study data.

Clinical Programmer, Mar 2013 – Apr 2018

- Created and maintained e-CRF studies using Xclinical Marvin and Oracle Clinical tools.
- Prepared raw data extractions and formulated SDTM/ADaM datasets for the statistical team.
- Coordinated CRF annotations and maintained rigorous quality controls throughout the data management process.
- Drafted data transfer agreements, ensuring secure and timely data reception.
- Provided data-related support and feedback to team members, improving overall data accuracy.

Hammersmith Medicines Research | London, UK

Oct 2011 – Sep 2012

Junior SAS Programmer

- Generated and distributed randomisation codes for clinical studies.
- Refined database validation specifications and collaborated on lab SDTM terminologies.
- Developed reusable macros and streamlined SAS programs to improve database edit checks.
- Produced QC reports for databases and updated lab reference ranges in a timely manner.

Richmond Pharmacology Ltd | London, UK

Jun 2010 – Sep 2011

Junior Clinical Database Programmer, Jan 2011 – Sep 2011

- Coordinated CRF annotations and facilitated efficient database locks during clinical trials.
- Integrated third-party data into Oracle Clinical, verifying alignment with internal specifications.
- Assisted data managers with user acceptance testing (UAT) and ensured data consistency.

Education & Certifications

- **NCFE Level 3 Certificate in Cyber Security Practices**
- **Snowflake Hands-On Essentials Workshop Credentials**
 - Data Warehousing | Data Lake | Collaboration | Marketplace & Cost Estimation
- **Data Analyst Certification (DACP™)**, BrainStation, UK
- **SAS Certified Specialist: Base Programming Using SAS 9.4**
- **Computer Programmer Analyst (Advanced Diploma)**, George Brown College, Toronto, Canada

Additional Skills

Cyber Security | Virtualisation | Hyper-V | Kali Linux | Nmap | Metasploit | Wireshark | Data Analysis | Data Visualisation | Snowflake | Data Warehousing | Data Lake | SQL | MySQL | PostgreSQL | DAX | Python | NumPy | Matplotlib | Scikit-learn | R | Shiny | SAS | Power BI | Tableau | Statistical Analysis | Data Wrangling | Data Modelling | Data Optimisation | Data Quality | ETL | Data Governance | Reporting | Dashboards | Excel | XML | Pivot Tables | Power Automate | Data Cleansing | Predictive Modelling | Business Intelligence | Collaboration | Problem-Solving | Communication | Stakeholder Management | Quality Assurance | GitHub | Visual Studio Code

References are available upon request.