

# Haziq Asyraaf

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## Summary

- CEH-certified IT professional transitioning into network and security engineering, combining analytics, automation, and operations experience.
- Builds secure, data-driven solutions: Power BI dashboards for 15k+ firms, FormSG workflow automation, UiPath bots, Python data pipelines.
- Hands-on with network monitoring/troubleshooting from Police Coast Guard service; actively developing CCNA-level routing/switching labs.
- Known for cross-agency collaboration, disciplined execution, and continuous upskilling (Azure Security, cloud platforms, automation).

## Core Skills

**Networking & Security:** Routing & switching labs (OSPF, VLANs), network monitoring, access control, CEH methodologies, Azure security fundamentals (in progress)

**Analytics & Automation:** Power BI (Power Query/M), DAX, SQL, Tableau, Python, UiPath, Excel modeling

**Cloud & DevOps:** Azure, AWS, Google Cloud (learning), Docker (learning), Git/GitHub/GitLab

**Programming & Scripting:** Python, SQL, Java, C#, VB.NET, JavaScript, HTML/CSS

**Tools & Platforms:** FormSG, Postman, UiPath Orchestrator, Oracle DB, VMware/VirtualBox

## Certifications

- EC-Council Certified Ethical Hacker (CEH) – SkillsFuture Singapore (2024)
- Google Cybersecurity Professional Certificate (2024)
- Power BI Beginner to Pro Workshop – Pragmatic Works (2023)
- CCNA (Cisco 200-301) – In progress
- Azure Security Engineer Associate (AZ-500) – Coursework in progress

## Professional Experience

**Executive, Data Analyst · Building and Construction Authority (BCA), Singapore**

*Manpower Strategy & Planning Group* · Nov 2024 – Present - Deliver agency-wide workforce analytics; built Power BI dashboards (Power Query, DAX, SQL) enabling firm-level and sector-wide insights. - Administer FormSG survey workflows end-to-end—design forms, govern access,

and automate email distribution with Postman. - Clean and transform large survey datasets, surfacing trends for economists and cross-agency taskforces (CAW regulations, SkillsFuture Singapore). - Publish secure dashboards in Power BI Service (Pro) to share with regulatory partners while meeting data governance controls. - Provide hotline support, train stakeholders, and ensure smooth rollouts of survey and dashboard initiatives.

### UAT Tester (Contract) · Central Provident Fund Board (CPFB), Singapore

*Retirement and Health Study Office* · Jun 2024 – Sep 2024 - Authored end-to-end test plans for new survey releases; validated CAPI workflows, stress-tested data capture, and resolved defects with vendors. - Created UiPath automations to accelerate repetitive test steps and reporting. - Coordinated with data analysts and survey operations to align testing outcomes with field requirements.

### Radar Operator Officer · Singapore Police Force (Police Coast Guard)

Coastal Patrol Squadron · Aug 2020 – Dec 2022 - Operated radar surveillance systems, tracked maritime traffic in real time, and escalated incidents requiring interception. - Maintained radar equipment readiness and collaborated with patrol units to enforce maritime security.

### Information Technology Officer · Ministry of Manpower (MOM), Singapore

Info Systems & Technology Department · Feb 2020 – Jul 2020 - Delivered IT “clinic” sessions to gather automation requirements, translating them into UiPath solutions. - Recognized with a formal testimonial for reliability and impact.

### RPA Developer · GovTech (seconded to MOM)

Jul 2019 – Feb 2020 - Built UiPath automations (e.g., SG Work Pass data migration, batch job scripts) used by service centre teams; produced training videos for non-IT staff. - Managed UiPath licensing, performed UAT, and provided post-implementation support across multiple departments. - Contributed to blockchain-related initiatives by scripting data-handling automations. - Earned a testimonial for outstanding service.

### Desktop Support Engineer · NCS Pte Ltd (seconded to MinLaw & Ministry of Finance)

May 2016 – Dec 2016 - Delivered onsite support, application troubleshooting, and inventory management; received recognition for top performance. - Assisted with network troubleshooting and end-user education.

## Education

### Temasek Polytechnic – Diploma in Information Technology · 2017 – 2020

Focus areas: Software development, network technologies, secure coding, data analytics, cloud computing.

**ITE College East – Nitec in Info-Communications Technology (Cloud Computing) · 2015 – 2016**  
Coursework: IT & network essentials, virtualization, cloud infrastructure operations.

## Projects (Portfolio)

- **Self-Hosted RPA Platform (2020–2024):** UiPath bots aggregating e-commerce data, exporting results to Excel, and emailing stakeholders via custom UI.
- **Network Engineering Labs:** Documented OSPF single-area and multi-area topologies (Python automation checks in progress) – see GitHub portfolio.
- **Power BI Workforce Dashboards:** Secure multi-agency dashboards with data-driven workforce insights for 15k+ CRS firms.

## Additional Training

- 100 Days of Code: Python Pro Bootcamp
- PL-300: Microsoft Power BI Data Analyst – Practice Exams
- Complete Ethical Hacker Certification Prep
- C++ Masterclass

## Achievements

- Testimonials from ITE lecturer, GovTech supervisor, and BCA leadership.
- CDC & CCC ITE Scholarship; Certificates of Excellence at NCS.
- International Specialists' Community Action & Leadership Exchange participant.
- Joint ITE–Oracle Certificate in Essentials of Java Programming.

## References

Available upon request.