

Haziq Asyraaf

ASSOCIATE

Singapore, East | +65 9487 4556 | haziqh@hotmail.com | <https://www.linkedin.com/in/haziqasyraaf-sg> | <https://github.com/haziqachik>

Summary

Resourceful IT professional with hands-on experience in data analysis, automation, and IT operations. Skilled in Power BI, Tableau, SQL, Python, Power Query (M Code), UiPath, and Excel (DAX) for analytics and reporting. At BCA, analyzed workforce data across agency firms, built dashboards for inter-agency use, and administered survey workflows with FormSG. Completed the Certified Ethical Hacker (CEH) certification, recognized in Singapore, and currently extending expertise with Azure Security to expand into Network and Cloud Security roles. By combining analytics, automation, and cybersecurity, I deliver secure, data-driven solutions that improve organizational efficiency and resilience. Dedicated to continuous learning and eager to leverage my skills and knowledge in a dynamic and forward-thinking organization.

Experience

Executive, Data Analyst | Building Construction Authority (BCA)

Manpower Strategy and Planning Group, Manpower Planning Department

Nov 2024 – Present

- In BCA, I contributed to the projects of CAW (Construction, Architectural, and Works) regulations and SkillsFuture Singapore (SSG).
- Analyze workforce data and foreign worker policies to support strategic manpower planning of not only current and past of BCA CRS firms but across Singapore not only to Built Environment (BE) sector.
- Build and publish interactive dashboards using Power BI (M code), DAX (Data Analysis Expression), and SQL enabling firm-level analysis, impact analysis, revenue breakdowns, projections and workforce insights.
- Clean, preparation and transformation of survey datasets from FormSG, while using Postman to send out the emails with our analysis data to the selected studies of CRS firms. Usage of Tableau and Python to extract or collection of data to process analysis. Analysis of thousands of records to extract key patterns and actionable insights.
- As an FormSG administrator, created and publish while streamlining survey collection processes and ensuring smooth integration with reporting workflows with customer hotline support.
- Publish dashboards using PowerBi Pro securely on the cloud for inter-agency collaboration and decision-making.
- Contributed to the CRS firm study (15,000+ firms), benchmarking workforce data and providing insights for collaboration with economists.
- Analysis of skill framework(sFW) from SSG, technical skills and competencies (TSc) with involvement of cross agency taskforce inputs.

UAT Tester | Central Provident Fund Board (CPFB)

Retirement and Health Study Office (RHSO)

June 2024 – Sept 2024

- Design and update detailed test plans based on project timelines and upcoming operational requirements.
- Ensure test plans accurately reflect the objectives of new surveys and operational changes, validating that outcomes meet specified criteria.
- Collaborate with data analysts and the survey management team to integrate data management and survey implementation, ensuring alignment with project goals.
- Execute comprehensive testing of CAPI systems, including stress tests and error analysis, to identify and address discrepancies.
- Consolidate and analyze error reports, coordinating with vendors for troubleshooting and resolution.
- Develop and implement UiPath-based automation solutions to enhance operational efficiency.
- Review and revise test plans regularly to incorporate updates and ensure they meet evolving project requirements.

Radar Operator Officer | Singapore Police Force (SPF)

Police Coast Guard (PCG), Coastal Patrol Squadron (CPS)

Aug 2020 – Dec 2022

- Operated radar systems for maritime surveillance and security.
- Monitored radar data to track vessels and ensure maritime safety.
- Maintained and calibrated radar equipment for accurate performance.
- Supported coastal patrols and responded to maritime incidents.

Information Technology Officer

Ministry of Manpower (MOM), Information Systems & Technology Department (ISTD)

Feb 2020 – July 2020

- Awarded Testimonial, a letter of recognition, recommendation, referee for contributions.
- Conducted IT clinic sessions to gather user requirements for automation projects, designing solutions to meet their needs.

RPA Developer | Government Technology Agency (GovTech)

Seconded to Ministry of Manpower (MOM), Information Systems & Technology Department (ISTD) **July 2019 – Feb 2020**

- Awarded Testimonial, a letter of recognition, recommendation, referee for contributions.
- Conducted IT clinic sessions to gather user requirements for automation projects, designing solutions to meet their needs.
- Developed and implemented RPA solutions using UiPath for various projects, ensuring scalable and maintenance-free designs.
- Created RPA training videos for non-IT users, facilitating self-learning and effective use of automation tools.
- Managed UiPath license distribution and resolved licensing issues in collaboration with the licensing team.
- Major projects included data migration for the mobile application “SG Work Pass” and designed automated batch job UiPath workflow scripts for MOM service center.
- Worked closely with business analysts and project managers to gather project requirements and conduct walkthroughs.
- Provided troubleshooting, bug fixes, and post-implementation support for automation solutions.
- Conducted user acceptance testing for system implementations, including installation on Windows.
- Created analysis dashboards to show data statistics using Excel.
- Contributed to blockchain-related projects by implementing RPA solutions that enhanced efficiency and effectiveness in handling blockchain data and processes.

Desktop Support Engineer | NCS Pte Ltd

Seconded to Ministry of Law (MinLaw) and Ministry of Finance (Vital), Info-Tech Department (ITD) **May 2016 – Dec 2016**

- Provided IT support, including installation, troubleshooting, and business application support.
- Managed inventory, documentation, and customer interactions, achieving top performance recognition.
- Assisted with network troubleshooting and software diagnostics.

Education

Temasek Polytechnic, Diploma in Information Technology

2017 - 2020

Programming & Development: Object-Oriented Analysis and Design, Mobile App Development, Full Stack Web Development, Software Quality

Assurance, Coding and Testing, Application Development Project

Cloud & Network Technologies: Network Technology, Secure Coding Practices, Microservices, IoT Application Development

Data & Analytics: Data Mining Concepts and Techniques, Applied Machine Learning, Database Application Development, Statistics and Analytics

IT & Security Essentials: IT Security Essentials, Business Information Systems, IT Law and Ethics

Institute of Technical Education (East), Nitec in Info-Communications Technology (Cloud Computing) 2015 - 2016

- IT Essentials and PC Support, Network Essentials, Server Essentials, Virtualization Technology, Cloud Infrastructure and Operations and Business Applications for Cloud Computing.

Qualifications

Skills

- DevOps Tools: Docker (currently learning), Kubernetes (currently learning), Jenkins (currently learning)
- Cloud Platforms: AWS (currently learning), Azure (currently learning), Google Cloud
- Automation Tools: UiPath
- Programming Languages: Java, Python, C++, C#, VB.NET, PHP, JavaScript, SQL, NodeJS, HTML, CSS
- Version Control: Git, GitHub, GitLab
- Web Development: Wix, WordPress, Bootstrap, Angular, Ionic
- Other Software: Oracle 8i, Postman, Violet UML Editor, Axure RP 8, VMware Workstation, Oracle VM VirtualBox, VirtualBox
- Databases: MySQL, MongoDB

Courses

- 100 Days of Code: The Complete Python Pro Bootcamp
- PL-300: Microsoft Power BI Data Analyst | Practice Exams
- TOTAL: Practice tests for CEH™ v11 (Ethical Hacker)- 300 Q's
- Certified Ethical Hacking Practical Exam Prep (Unofficial)
- The Complete Ethical Hacker Certification Exam Prep Course

Certificates

Certification of Completion:

- EC-COUNCIL CERTIFIED ETHICAL HACKER (CEH) (SF)
- Google Cybersecurity Professional Certificate (Google)
- Power BI Beginner to Pro Workshop (Pragmatic Works)
- C++ Masterclass (udemy)

Achievements

- Testimonial's from ITE school lecturer, Govtech internship supervisor and BCA working colleagues
- International Specialists' Community Action & Leadership Exchange
- CDC & CCC ITE Scholarship
- Certificates of Recognition and Excellence at NCS Pte Ltd
- Joint ITE-Oracle Certificate in Essentials of Java Programming

Project Experience

- **Self-hosted** RPA Project (2020-2024)
 - E-commerce Reports: automation searched web database to collect results and exports to excel spreadsheet with UI experience, email configuration.

Reference

Available upon request