Ramtin Alikhani

[GitHub](#) | [Ramtinal1995@gmail.com](#) | [LinkedIn Page](#)| [My Web Portfolio](#)

Skills

Languages: Python, SQL, Rust, Ruby, Go, Scala, Bash

Frameworks and Libraries: Flask, CherryPy, REST API

Skills & Tools: Jira, Docker, Kubernetes, Jenkins, Git, Unit Testing, Flask, REST APIs, TCP/IP, Port Forwarding, PuTTy, SSH, SCRUM, Agile, Ansible, Terraform, Grafana, YAML, IaaC, CI/CD

Professional Experience

Automation Engineer, MDA Space – Montréal, QC   November 2023 – May 2024
- Developed Python scripts using the Atlassian-Jira API, automating reclassification of misassigned tasks and title standardization to enhance tracking by 75%.
- Designed and implemented unit tests for C# and Python scripts with Pytest, establishing testing criteria and scenarios to verify code reliability.
- Developed a Python script to detect duplicate Confluence templates, setting up Jenkins CI/CD pipeline triggers for proactive alert generation.
- Spearheaded IT projects such as designing custom Draw.io templates and advocating for critical software updates, improving the team's task resolution time by 30%.

Data Engineering Consultant, Adastra Corporation – Markham, ON   January 2022 – June 2023
- Built data processing functions using Scala in Azure Databricks, optimizing parallelism and reducing pipeline runtime by 25%.
- Automated data ingestion with Azure Data Factory, improving workflows by 65%.
- Processed JSON, Parquet, and encrypted files in Scala for consistent data flow.
- Populated tables with SQL scripts for comprehensive testing and validation.
- Performed root cause analysis through error log monitoring, identifying and resolving critical bugs to enhance overall system reliability by 75%.

Embedded Systems Software Co-op, Ciena – Ottawa, ON (Remote)   August 2021 – December 2021
- Developed and deployed Docker containers for software applications, enabling consistent environments and streamlined development cycles.
- Automated routine Linux administration tasks with Bash scripting, improving software workflows and reducing setup.
- Built and tested software using custom compilation tools, maintaining 90% performance standard.

Software Developer Co-op, Maerospace – Waterloo, ON (Remote)   August 2020 – December 2020
- Managed InfluxDB data insertion and extraction, boosting Operations team's time-series data management by 30%.
- Integrated CherryPy API and Python scripts to enhance backend server functionality, ensuring smooth data transmission and supporting scalable systems.

Software Developer Co-op, Blackberry/QNX – Ottawa, ON   May 2019 – August 2019
- Developed Bash scripts and Python scripts for file transfers and data management, streamlining operational tasks.
- Improved testing efficiency by 55% by implementing Pytest and creating automated OpenSSL regression tests.

Education

Conestoga College – Electronics Systems Engineering, Bachelor of Engineering   December 2021

Certifications & Training

CompTIA A+ - CompTIA Institution   Ongoing
CompTIA Tech+ - CompTIA Institution   Ongoing
Google Cybersecurity Foundations ([Certificate](#)) - Google, Coursera   July 2023