

AMIR MIRZAEI

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EDUCATION

Algonquin College

Computer Programming

Ottawa, ON

Expected Graduation, Dec 2025

- CGPA: 3.93/4.0 - 3x Dean's Honour List
- Courses: OOP Java - Web programming – Databases – GNU/Linux - Network Programming

TECHNICAL SKILLS

- Programming Languages:** Java, Python, SQL, JavaScript, HTML/CSS, PHP
- Developer Tools:** Docker, Git, Microsoft Azure, Grafana, Prometheus, VS Code, Ansible, PowerShell, Bash, Linux
- Frameworks & Libraries:** Junit, Jinja2, OpenAI API, REST API
- Soft Skills:** Fast-Learning, Problem-solving, Self-learning, Strong Communication, Teamwork

EXPERIENCE

Nokia

Software Developer (Automation & Cloud)

Sept 2024 – Present

Ottawa, ON

LLM Gateway Automation

- Developed and deployed an Azure Function App using Python to automate the processing of over 500 ISP maintenance emails monthly for Nokia, reducing manual effort by 80%.
- Designed and deployed an Azure Logic App to parse email content, convert it to JSON, and trigger HTTP POST requests to the Function App, achieving 100% accuracy in data formatting.
- Integrated Nokia's LLM Gateway to extract actionable insights from maintenance emails, improving processing speed by 80% by using OpenAI's library.
- Utilized a cutting-edge tech stack (Python, httpx, Microsoft Azure, OpenAI) to build a scalable solution, demonstrating proficiency in cloud automation and AI integration.

OSPF HealthCheck Script in NSP

- Developed and implemented an automated workflow in Nokia NSP to monitor 100+ HPE devices and detect OSPF anomalies, reducing manual monitoring time by 75%.
- Implemented a Python script to parse and analyze OSPF neighbor states in real-time, detecting anomalies with 99% accuracy and reducing network downtime by 60%.
- Developed an automated email notification system, alerting administrators of detected anomalies within 5 minutes of occurrence, improving response time by 85%.
- Utilized a modern tech stack (Python, YAML, Nokia NSP) to build a scalable solution, demonstrating proficiency in network automation and anomaly detection.

FortiGate Firewall Automation

- Automated FortiGate firewall configurations using Ansible, improving network security management for 50+ firewalls and reducing configuration errors by 80%.
- Designed modular playbooks with Jinja2 templates to efficiently manage 100+ address groups, custom services, and service groups, scaling network policies by 80%.
- Secured sensitive credentials by integrating Azure Key Vault, reducing the risk of unauthorized access by 95% and ensuring compliance with security standards.

PROJECTS

Movie Collection | HTML/CSS, JavaScript, MySQL, PHP, Git

Jan 2024 - Feb 2024

- Developed a web app using HTML, CSS, JavaScript, PHP, and MySQL to enable user contributions and enhance interactivity.
- Improved UX with JavaScript form validation and smooth client-server communication.
- Integrated an SQL database for efficient data storage and retrieval, ensuring data integrity.
- Designed intuitive search and filtering features for quick movie discovery by title, year, and genre.