

Jawwad Khan

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Summary

Technical professional with 3+ years of experience in government and private sector, specializing in data engineering, process modernization, system security, and enterprise software solutions. Demonstrated success in improving operational efficiencies at multiple government agencies including MCCSS, MPBSDP, and RCMP. Strong track record of implementing secure technical solutions while ensuring compliance with government standards and regulations.

Skills

Programming Languages: C#, Python, SQL, JavaScript, TypeScript, Java, Ruby
Technologies & Frameworks: Spring Boot, PowerBI, REST APIs, Kubernetes, Docker, Git, AWS, Azure, Jenkins, Jira, MySQL, React Angular

Experience

Youth Justice Division – Staff Development Recruitment Toronto, ON
Technical IT Consultant 06/2024 – 10/2024

- Led program modernization initiative replacing paper-based systems with digital solutions, achieving \$8,000 reduction in annual expenses
- Increased departmental productivity by 20% through automation solutions and process improvements
- Created detailed process maps through stakeholder interviews to enhance workflow understanding
- Evaluated automation and AI solutions for enterprise adoption, providing comprehensive procurement documentation
- Developed and delivered digitized training programs with focus on accessibility standards.

Avasta Inc. - Data Engineering Toronto, ON
Software Developer 01/2022 – 06/2024

- Implemented enterprise-level data security measures, increasing Microsoft Secure Score by 32%
- Developed data mining applications in Python, reducing process time by 22%
- Established documentation standards for data integrity testing and security protocols
- Led data literacy workshops enhancing company-wide security awareness.

Ministry of Public & Business Service Delivery - Cyber Security Toronto, ON
Application Developer 05/2021 – 09/2021

- Reviewed 35+ technical reports on API security best practices, providing comprehensive analysis to stakeholders
- Migrated legacy infrastructure to AWS cloud using Docker and Kubernetes, improving system reliability by 40%
- Optimized API performance through containerization, reducing response time by 13%
- Conducted in-depth analysis of API security vulnerabilities and implemented threat detection measures
- Collaborated with senior analysts to evaluate emerging threats and develop mitigation strategies.

RCMP - Strategy and Innovation Ottawa, ON
Technology Analyst 10/2020 – 05/2021

- Migrated legacy infrastructure to AWS cloud using Docker and Kubernetes, improving system reliability by 40%
- Optimized API performance through containerization, reducing response time by 13%
- Conducted analysis of API security vulnerabilities and implemented threat detection measures.

Projects

Ontario Economic Data Analytics Platform

- Engineered secure data visualization platform using Python and PowerBI for government economic data analysis
- Implemented automated ETL pipelines with comprehensive error handling and data validation
- Integrated robust security controls and encryption protocols for sensitive data handling.

Cloud-Native Analytics Platform

- Engineered scalable data platform using Java Spring Boot and AWS services
- Implemented microservices architecture for improved system reliability
- Created automated deployment pipeline with comprehensive testing

Education

Toronto Metropolitan University (formerly Ryerson University) 06/2023

B.Sc., Hons. Computer Science

Microsoft Certified: Azure Administrator Associate (AZ-104)

09/2023