

Ivan Nesevski

[✉ ivan.nesevski@outlook.com](mailto:ivan.nesevski@outlook.com) | [☎ 647-978-0494](tel:647-978-0494) | [/github.com/ivannesevski](https://github.com/ivannesevski) | [cloud ivannesevski.com](http://ivannesevski.com)

QUALIFICATIONS

Languages: Java, C#, PowerShell, Python, JavaScript, HTML, CSS

Databases/Messaging: SQL Server, Flyway, Redis, Kafka

Cloud/DevOps: Azure (App Services, Application Gateway, SQL Database, Blob Storage, Key Vault), Git, Jenkins, Nexus, Blue/Green Deployments

Architecture/Practices: RESTful APIs, Microservices, Distributed Systems, Networking (HTTPS, HTTP/2, DNS, Load Balancing, Firewalls), Agile (JIRA), IT Service Management (ITIL), On-Call Support

EXPERIENCE

TD Bank Group

Toronto, ON

Software Engineer II

May 2024 – Present

Software Engineer I

June 2022 – May 2024

Associate Software Engineer

January 2021 – June 2022

- Independently designed and developed a device-agnostic digital receipt service handling 150+ TPS at sub-200ms response times end-to-end, covering the full pipeline from RESTful API ingestion to low-latency PDF generation. Implemented asynchronous processing with Kafka, Redis caching, and Azure SQL/Blob for persistence. Built and deployed infrastructure on Azure using a blue/green deployment strategy via a CI/CD pipeline.
- Spearheaded multiple automation and integration efforts across enterprise systems – including APIs between vendor ServiceNow APIs and internal BMC Remedy application for incident syncing, MuleSoft APIs connecting Salesforce to automate merchant onboarding, and a Java utility to generate and transfer terminal configuration XMLs. These initiatives drove \$1.6M+ in annual savings.
- Improved security and compliance by remediating 100+ vulnerabilities across application, middleware, and network layers using OWASP Top 10 guidelines. Developed custom PowerShell scripts to enforce PCI data retention policies, scanning 80K+ files and generating audit reports to ensure regulatory compliance.
- Migrated a legacy system from OpenStack to Azure App Service, deploying highly available infrastructure with load balancing, real-time monitoring, and single sign-on (OAuth2 + OpenID Connect) using Spring Security.
- Orchestrated a disaster recovery drill with 12 teams, successfully restoring JBoss, SQL Server, and GoldenGate data pump to a remote site.
- Acted as tech lead for 7 critical applications, providing on-call production support, managing incidents end-to-end, performing impact analysis, and coordinating with stakeholders to ensure timely resolution. Mentored junior engineers, led onboarding, and authored technical and operational documentation in JIRA/Confluence.

Spring Air Systems

Oakville, ON

Software Developer (Intern)

May 2017 – August 2018

- Contributed to full-stack development of an ASP.NET web application used for product specification and quoting, including front-end improvements and back-end logic refinements.
- Engineered algorithms to process hundreds of complex product configuration options, enhancing the accuracy and performance of quote generation.
- Investigated and resolved bugs by analyzing error stack traces and debugging in Visual Studio, improving system reliability and user experience.
- Automated CAD schematic generation by refactoring code to integrate the C# AutoCAD library, eliminating 500+ static templates and reducing future maintenance overhead.
- Improved a proprietary 3D duct design tool by implementing interactive orbit/camera controls with Three.js and modernizing the UI using HTML/CSS. Demoed the enhanced tool to the sales team, leading to positive feedback and adoption.

EDUCATION

University of Toronto

Toronto, ON

Honours Bachelor of Science (HBSc), Specialist in Computer Science

September 2014 – August 2019