

# Ivan Nesevski

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## 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

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## EXPERIENCE

### TD Bank Group

Software Engineer II

Software Engineer I

Associate Software Engineer

Toronto, ON

May 2024 – Present

June 2022 – May 2024

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

Software Developer (Intern)

Oakville, ON

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.

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## EDUCATION

University of Toronto

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

Toronto, ON

September 2014 – August 2019