Ivan Nesevski

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TECHNICAL SKILLS

Languages: Java (Spring/Springboot), C# (.NET/ASP.NET), PowerShell, Python, JavaScript, React.js, Node.js, HTML5, CSS3

Databases & Messaging: Relational Databases (SQL Server, Azure SQL), Flyway, Redis, Kafka

Infrastructure & DevOps: Terraform, Azure (IaaS/PaaS), Kubernetes, Docker, Git, Jenkins, Nexus

Logging & Monitoring: DataDog (Log Pipelines, Real-Time Monitoring, Dashboards), Splunk, Dynatrace

Architecture & Operations: Distributed Systems, Microservices, RESTful APIs, Single Sign-On (OAuth2, OpenID Connect), Blue/Green Deployments, Security (PCI-DSS, OWASP), Agile (JIRA), 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, a distributed system handling 150+ TPS at sub-200ms end-to-end, leveraging Kafka for asynchronous processing, Redis caching, Azure SQL/Blob for persistence, and blue/green deployment strategy for high availability.
- Drove $1.6M+ in annual savings by spearheading multiple enterprise automation and integration efforts (including Mulesoft APIs connecting Salesforce to automate merchant onboarding).
- Improved security and regulatory compliance by remediating 100+ vulnerabilities (per OWASP Top 10 guidelines) and developing custom PowerShell scripts to enforce PCI data retention policies.
- Led the secure migration of a legacy system to Azure App Service, deploying highly available infrastructure, establishing real-time monitoring and logging with Datadog, and implementing single sign-on (OAuth2 + OpenID Connect). This contributed to platform scalability and operational excellence.
- Orchestrated a large-scale disaster recovery drill involving 12 cross-functional teams, successfully testing system resilience and restoring services, ensuring compliance with business continuity requirements.
- Served as tech lead for 7 critical applications, providing on-call production support and managing incidents. Led onboarding and mentored junior engineers.

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*