KARAN
RANDHAWA

Waterloo, ON
Phone | Email | GitHub | LinkedIn
karan-randhawa.com

Software Developer with **7+ years of experience** designing, building, and optimizing scalable applications. Skilled in **full-stack** development, **cloud infrastructure**, and **DevOps** automation, with a passion for **leading** teams to deliver high-impact solutions.

TECHNICAL SKILLS

Backend: .NET Framework / Core in C#, C++, Python, Java EE, Node.js. **Frontend:** Angular, TypeScript, JavaScript
Cloud & DevOps: Azure, AWS, Docker, Elasticsearch, CI/CD, Git, Postman, OpenCV, RabbitMQ, IdentityServer4, Agile, TDD

EXPERIENCE

SENIOR SOFTWARE DEVELOPER, FULL STACK

J-SAS Inc. | Greater Toronto Area | FEBRUARY 2022 – FEBRUARY 2025

- Led the agile development of a B2B multi-tenant Subscriber Lifecycle Management portal, scaling to **100,000+ users** across **40,000+ companies**, while mentoring the team on best practices.

- Architected a secure **Identity & Access Management (IAM) system** with **IdentityServer4** & **OpenID Connect**, enabling **SSO** across multiple client applications and coaching developers on security best practices.

- Drove **DevOps** strategy for a **Compliance-as-a-Service** product, cutting deployment time & costs **by 40%** and ensuring **98% uptime**, while upskilling the team on CI/CD.

- Accelerated onboarding by **6 weeks** with a **microservices architecture** in **ASP.NET Core** & **Docker**, guiding the team in transitioning from monolithic architectures to leveraging microservices.

SOFTWARE DEVELOPER, BACKEND

J-SAS Inc. | Greater Toronto Area
JANUARY 2018 – FEBRUARY 2022

Designed and optimized high-performance **RESTful APIs** for partner apps and payment subsystems, enhancing security and scalability.

SOFTWARE DEVELOPER, RESEARCH

CDOT, Applied Research, Seneca College | Toronto, ON
MAY 2017 – DECEMBER 2017

Developed a **Cyber Intelligence Agent** using **RabbitMQ & AMQP** for real-time detection, improving response times by **30%**.

EDUCATION

HONOURS, BACHELOR OF TECHNOLOGY – SOFTWARE DEVELOPMENT

Seneca College | Toronto, ON | OCTOBER 2018 | GPA: 3.8 / 4.0
Projects: FaceBot, CustomEncryptor | **Coursework:** Data Structures & Algorithms, Data Communications Network

INVOLVEMENT & LEADERSHIP

STUDENT MENTOR IN LIFE AND EDUCATION (SMILE) | SENECA COLLEGE

Guided new students in academics and career planning, fostering a collaborative learning environment.