Karan Randhawa

Ambitious and self-motivated Software Developer with a passion to discover new ways of using acquired knowledge and skills to build quality and effective solutions, by leveraging innovative technology paired with a wide array of traits developed with experience.

Waterloo, ON

karanrandhawa.page

Phone

Mail

LinkedIn

GitHub

Experience

Senior Software Developer at J-SAS Inc.
January 2018 – Present

• Led the development and maintenance of the Subscriber Lifecycle Management portal for a client with an application user base of over 80,000 and an active subscriber base of over 40,000 subscribers globally.
• Designed and developed an Identity and Access Management (IAM) system for the client's subscriber portal based on IdentityServer4 and OpenID Connect frameworks, to allow for a secure and seamless Single Sign-On experience for their customers between various other applications under the client's ecosystem.
• Spearheaded the design and implementation of a mass user upload feature within the subscriber portal application to enable the client and their customers to import thousands of their application users from other systems within minutes - saving the client several weeks of manual operations to import those users.
• Identified the need for, then proposed and executed a plan to develop a microservices architecture based on ASP.NET Core and Docker, to support and expedite the development of an MVP subscriber onboarding solution by another team.

Software Development Research Assistant at Centre for Development of Open Technology (CDOT) – Applied Research, Seneca College
May 2017 – December 2017

• Researched, designed, and developed a Cyber Intelligence Data-Collection Agent that employs a communication system built with the AMQP transmission protocol, to monitor a network system for potential internal and external threats, while reporting local resource utilization statistics to a Central Server.
• Deployed a range of batches for the data collection agents to a client subsystem infrastructure to stress test as well as monitor the performance of the agent and the communication system in a real-world environment.

Involvement

Student Mentor In Life and Education (SMILE) at Seneca College, Toronto, ON
September 2015 – August 2016

• Mentored a group of first-semester students to guide them through various challenges at and outside of school; to help them experience a smooth transition into college education.

Education

Honours, Bachelor of Technology – Software Development
January 2015 – September 2018
Seneca College – Toronto, ON
GPA: 3.8

Certifications

Microsoft Certified for Azure AI Fundamentals
August 2021
University of Calgary, AB

Coursework

Data Communication Networks
January 2017
Seneca College, Toronto, ON

- C++
- Multi-Threaded Programming
- Network Transmission Protocols

Skills

- C#, C++
- .NET Framework, ASP.NET, .NET Core
- Bash Scripting, Linux Shell Scripting
- Java EE
- JavaScript, AngularJS
- MySQL, SQL Server