

# Aman Tewary



**Address:** Toronto, ON, Canada  
**Phone number:** (902) 579-9605  
**Email address:** aman.tewary@live.com  
**Web:** linkedin.com/in/amantewary

## Profile

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Engineering leader with nearly a decade of experience designing, scaling, and delivering cloud-native systems across finance and media. Proven ability to build high-performing teams, define technical strategy, and deliver resilient, event-driven architectures. Skilled in AWS, serverless, Python, Node, TypeScript, and Angular. Experienced in mentoring engineers, driving architectural excellence, and collaborating cross-functionally to translate vision into measurable outcomes.

## WORK EXPERIENCE

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11/2021 – present  
Toronto, ON

### Software Engineering Team Lead, Senior Associate Capital One

- Led the real-time messaging platform team, scaling it from 3 to 11 engineers, which involved overseeing hiring, onboarding, and performance growth.
- Designed and rolled out a next-generation real-time messaging framework using Python and AWS Lambda, enabling high-volume event processing with 400K+ messages daily across email, SMS, push, and web channels.
- Reduced time-to-market by 65% through a configuration-based architecture and CI/CD pipelines with linear CodeDeploy traffic shifting.
- Enhanced observability and reliability by introducing Splunk and New Relic dashboards to monitor application, infrastructure, and delivery metrics used by both engineering and business stakeholders.
- Collaborated with product and architecture teams to define the technical roadmap and long-term strategy for alerting and messaging systems.
- Mentored and coached engineers through code reviews, design discussions, and 1:1 growth conversations, fostering a culture of learning and accountability.
- Contributed to the Architecture Forum, delivering reference architecture for serverless and event-driven systems to standardize practices across teams.

07/2019 – 11/2021  
Halifax, NS

### Senior Software Engineer QRA Corp

- Led development of a reusable TypeScript/Angular client framework, which enabled rapid product integration and expanded the company's market reach.
- Designed a configuration-driven architecture for the QVscribe platform, allowing customers to customize analysis categories for real-time feedback.
- Mentored engineers transitioning from C# to TypeScript, establishing consistent frontend standards and testing practices.
- Collaborated with product management to align roadmap priorities and streamline delivery cycles.

01/2019 – 07/2019  
Halifax, NS

### Software Engineer Nielsen

- Developed and maintained customer-facing web applications using AngularJS, Handlebars, and CSS, ensuring high responsiveness and performance.
- Built interactive real-time Olympic data visualizations for Gracenote's 2020 Olympic showcase.
- Contributed to the Gracenote Pages project, integrating live sports scores and statistics widgets across client websites.

## SKILLS

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### - PROJECT MANAGEMENT

Agile methodologies  
**Professional**

Cross-Functional Team  
Leadership  
**Professional**

Roadmap Planning  
**Professional**

Goal Setting  
**Professional**

### - LANGUAGES

Python  
**Professional**

TypeScript  
**Professional**

JavaScript  
**Professional**

### - FRONTEND DEVELOPMENT

Angular  
**Professional**

GraphQL  
**Professional**

Node.js  
**Professional**

### - CLOUD & BACKEND

AWS  
**Professional**

Microservices  
**Professional**

MySQL  
**Professional**

Postgres  
**Professional**

### - DEVOPS & TOOLS

Docker  
**Professional**

Jenkins  
**Professional**

Kafka  
**Professional**

GitHub Actions  
**Professional**

Snowflake  
**Professional**

Kubernetes  
**Professional**

## EDUCATION

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09/2017 – 05/2019  
Canada

**Master of Applied Computer Science**  
**Dalhousie University**

08/2012 – 05/2016  
India

**Bachelor of Technology, Computer Science & Engineering**  
**Sushant University**

## CERTIFICATIONS

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04/2023

**Certified Scrum Product Owner (CSPO)**  
**Scrum Alliance**

11/2022

**Certified Secure Software Engineer - Associate**  
**Secure Code Warrior**

05/2022

**AWS Certified Cloud Practitioner**  
**Amazon Web Services**