

Aman Tewary



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Profile

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

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

- PROJECT MANAGEMENT

Agile methodologies Professional	Cross-Functional Team Leadership Professional	Roadmap Planning Professional	Goal Setting Professional
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- LANGUAGES

Python Professional	TypeScript Professional	JavaScript Professional
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- FRONTEND DEVELOPMENT

Angular Professional	GraphQL Professional	Node.js Professional
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- CLOUD & BACKEND

AWS Professional	Microservices Professional	MySQL Professional	Postgres Professional
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- DEVOPS & TOOLS

Docker Professional	Jenkins Professional	Kafka Professional	GitHub Actions Professional
Snowflake Professional	Kubernetes Professional		

EDUCATION

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

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