

# Ayush Verma

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## SUMMARY

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Engineer with experience across **federal systems**, **YC-backed startups**, and **global developer platforms**. From scaling infrastructure handling **10M+ daily messages (MSG91)**, to automating AI compliance pipelines at **OnDeck (YC)**, to shaping developer experience at **Postman API Tools**, I focus on building systems that are **secure, reliable, and simple to use**.

## EXPERIENCE

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### IT Developer / Analyst

Canada Revenue Agency

Jan 2023 – Present

Toronto, Canada

- Developed secure microservices (Java, Spring Boot, Hibernate) in a security-cleared environment.
- Automated deployments with Jenkins + Docker, improving release efficiency by 30%.
- Optimized SQL/NoSQL queries, boosting performance by 20%.
- Modernized legacy applications via domain-driven design, reducing technical debt.
- Maintained 99.9% uptime SLA through proactive monitoring and automated testing.
- Collaborated across teams to ensure ITIL-compliant service continuity.

### Software / Platform Developer Internship

OnDeck Fisheries AI (YC-backed startup)

May 2022 – Dec 2022

Vancouver, Canada

- Developed ML-powered video-analysis pipelines for automated catch/bycatch detection.
- Built cloud ingestion pipelines reducing manual compliance analysis from days to hours.
- Integrated automated regulatory reporting, improving compliance efficiency.

### Software Engineer Internship

Postman API Tools

Feb 2018 – Aug 2018

Bangalore, India

- Built scalable API validation frameworks using AWS Lambda and LocalStack.
- Enhanced automation workflows, reducing regression cycles and boosting developer velocity.
- Contributed to cloud testing infrastructure used by 10M+ developers globally.

### Senior Software Developer

MSG91 (Enterprise communication platform)

Feb 2021 – Dec 2021

Bangalore, India

- Worked on infrastructure processing **10M+ SMS daily**, improving scalability and resilience.
- Built predictive DevOps dashboards (React, Flask, Power BI), reducing incident response by 20%.
- Deployed containerized services (Docker, Kubernetes) to ensure reliability across environments.

### Software Developer

SARVA (backed by Zumba® & Gold's Gym)

May 2019 – Jan 2021

Bangalore, India

- Developed APIs powering wellness apps, scaling to 10k+ concurrent users during live sessions.
- Automated CI/CD pipelines, reducing downtime and improving platform stability.

## EDUCATION

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### Dalhousie University

Master of Applied Computer Science (Distinction)

Halifax, NS

### SRM University

Bachelor of Technology in Computer Science (Distinction)

Chennai, IN

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, Bash, PowerShell    **Frameworks:** Spring Boot, React, Flask, Jenkins

**Cloud/DevOps:** Docker, Kubernetes, AWS, Azure, GCP, Terraform, CI/CD    **Databases:** PostgreSQL, MySQL, MS SQL Server, MongoDB    **Practices:** Git, Agile, ITIL, Security Compliance, Power BI