

Ayush Verma

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SUMMARY

Engineer with a record of making **complex systems simple and reliable**. At the **Canada Revenue Agency**, I supported secure **federal infrastructure**; at high-growth startups, I scaled platforms from **thousands to millions of users**. I thrive in teams that balance **speed with rigor**, bringing a mix of **systems thinking**, **DevOps discipline**, and **product awareness** to every project.

EXPERIENCE

IT Developer / Analyst

Canada Revenue Agency

Jan 2023 – Present

Toronto, Canada

- Improved release reliability by 30% by automating deployments with Jenkins and Docker.
- Boosted query throughput by 20% through SQL/NoSQL optimization for high-demand apps.
- Reduced technical debt by modernizing legacy systems using domain-driven design.
- Maintained 99.9% uptime through proactive monitoring and automated testing (JUnit, Mockito).

DevOps Engineer Internship

Postman API Tools

Feb 2018 – Aug 2018

Bangalore, India

- Built cloud-testing frameworks with AWS Lambda + LocalStack for scalable API validation.
- Enhanced automation workflows, cutting regression testing time and improving developer velocity.

Software / Platform Developer Internship

OnDeck Fisheries AI (YC-backed)

May 2022 – Dec 2022

Vancouver, Canada

- Developed ML pipelines for automated catch/bycatch detection from video data.
- Built scalable cloud ingestion pipelines, reducing manual compliance review from days to hours.
- Integrated automated regulatory reporting workflows for commercial fisheries.

Senior DevOps Developer

MSG91 (Enterprise communication platform)

Feb 2021 – Dec 2021

Bangalore, India

- Built predictive DevOps dashboards (React, Flask, Power BI), cutting incident response by 20%.
- Deployed containerized services (Docker, Kubernetes), ensuring reliable multi-environment ops.
- Worked on infrastructure delivering 10M+ SMS daily, improving scalability and resilience.

Fullstack Software Developer

SARVA (backed by Zumba® & Gold's Gym)

May 2019 – Jan 2021

Bangalore, India

- Developed APIs for wellness apps supporting 10k+ concurrent users during live sessions.
- Automated CI/CD pipelines, reducing downtime and improving platform reliability.

EDUCATION

Dalhousie University

Master of Applied Computer Science (Distinction)

Halifax, NS

SRM University

Bachelor of Technology in Computer Science (Distinction)

Chennai, IN

TECHNICAL SKILLS

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