

# Shubham Gulati

Software Engineer - Certified Cloud Architect - 6+ Years Experience - B.Tech & M.Tech in C.S.E.

Toronto, ON - [linkedin.com/in/iamshgulati](https://www.linkedin.com/in/iamshgulati) - [shubhamgulati.com](https://shubhamgulati.com)

## SUMMARY

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Shubham is an award-winning Software Engineer with over 6 years of experience at top U.S. and Canadian consulting firms. He has a Master's degree in CSE, certifications in AWS, and specializations in Cloud Computing, and Application Security. He excels at building scalable enterprise solutions using Java, Spring Boot, and Microservices. And apart from his strong experience in backend technologies, he also has a good understanding of frontend technologies, making him well-suited for full-stack software development.

## EXPERIENCE

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### Deloitte

India

#### Senior Consultant

Jun 2022 - Nov 2022

- Led a backend team to enhance the client's usage reporting application, resulting in a 25% improvement in user satisfaction.
- Promoted software engineering best practices, leading to 35% increase in reliability and adherence to high quality standards.
- Conducted training sessions and code reviews for new hires in the team, improving the team's onboarding efficiency by 20%.
- Actively participated in sprint planning with key stakeholders, ensuring timely reporting and successful delivery of the project.

### Deloitte

India

#### Consultant

Sep 2019 - May 2022

- Architected and developed personalized features for a client's Customer Support Portal, increasing user satisfaction by 25%.
- Developed a reusable foundation for all Microservices, enhancing the system reliability and reducing technical debt by 30%.
- Integrated a Spring Cloud Config Server and HashiCorp Vault for easy management of secrets, reducing security risk by 40%.
- Resolved performance bottlenecks, improving the performance and scalability of critical features like search and downloads.

### Deloitte

India

#### Business Technology Analyst

Apr 2018 - Aug 2019

- Transformed complex HR Portal monolith with 750+ APIs to cloud-native Microservices, improving system scalability by 35%.
- Developed resilient Microservices using Java, Spring Boot, and Spring Cloud, resulting in scalable and maintainable backend.
- Delivered high precision modules like Mergers & Acquisitions and Career Advancement, enhancing system reliability by 20%.
- Delivered well-organized API collections and OpenAPI endpoints to QA and Support teams, reducing transition time by 50%.

### CGI Inc

India

#### Associate Software Engineer

Aug 2016 - Apr 2018

- Developed RESTful web services with comprehensive unit tests for a client's call and data billing platform for M2M IoT devices.
- Developed innovative framework to manage state of production system using JMX, reducing maintenance downtime by 95%.
- Transformed applications from Oracle WebLogic Server to embedded Tomcat Server with Spring Boot, reducing license costs.

## RELEVANT SKILLS

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**Backend:** Java, Spring Boot, Spring Cloud, Lombok; JUnit, Power Mockito; Node.js; RESTful APIs, Web Services, OpenAPI; Microservices, Event-driven Architecture, Apache Kafka, RabbitMQ; JDBC, JPA, Hibernate. **Database:** SQL, MySQL, PostgreSQL; NoSQL, MongoDB. **Frontend:** React.js, JavaScript, TypeScript, TailwindCSS, HTML, CSS, Next.js. **Package Managers:** Maven, Gradle, NPM, PNPM. **Cloud:** AWS (including EC2, Lambda, ALB, API Gateway, RDS, DynamoDB, S3, CloudFormation), GCP, Infrastructure as Code. **Orchestration:** Docker, Jenkins, GitHub Actions. **Tools:** Postman; Git, GitHub; SonarQube; VSCode, IntelliJ IDEA, WebStorm; Jira, Agile/Scrum. **Security:** HashiCorp Vault, OAuth, JWT; SSH, TLS, CAP, AAA; Software Supply Chain.

## LICENSES & CERTIFICATIONS

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<b>AWS Certified Solutions Architect Associate</b> , Amazon Web Services (AWS)	FPDELC1KXFF1QXK5
<b>AWS Certified Cloud Practitioner</b> , Amazon Web Services (AWS)	JJMV6422RJ1Q1NWW

## EDUCATION

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<b>Postgraduate Certificate</b> , Computer Application Security, Conestoga College, Waterloo, ON	2024
<b>Postgraduate Certificate</b> , Cloud Computing & Blockchain, Saskatchewan Polytechnic, Saskatoon, SK	2023
<b>Master of Technology</b> , Computer Science & Engineering, Jaypee Institute of Information Technology, India	2015
<b>Bachelor of Technology</b> , Computer Science & Engineering, Jaypee Institute of Information Technology, India	2014

## HONOURS & AWARDS

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<b>Conestoga</b> – President's Honour List Award, Top of the merit list in Computer Application Security program.	2024
<b>Conestoga</b> – High Distinction Award, Outstanding academic achievement in Computer Application Security program.	2024
<b>Conestoga</b> – Best of Program Award, Best Capstone Project in Computer Application Security program.	2024
<b>Saskpoly</b> – Dean's List Award, Outstanding academic achievement in Cloud Computing & Blockchain program.	2023
<b>Deloitte</b> – Applause Award, Technical contribution to the success of the eCX project.	2022
<b>Deloitte</b> – Outstanding Award, Technical contribution to the success of the STAR Migration project.	2020
<b>Deloitte</b> – Outstanding Award, Technical contribution to the success of the HRally project.	2019
<b>Deloitte</b> – Applause Award, Project delivery excellence during the development of the HRally project.	2019
<b>Deloitte</b> – Spot Award, Critical support during CSP 2.0 project go-live.	2019
<b>Deloitte</b> – Applause Award, Delivery excellence during CSP 2.0 project development.	2018
<b>CGI</b> – Apex Award, Unsupervised delivery, and individual contribution to the M2M GDSP project.	2017

## PROJECTS

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<b>Blog</b>	– Built a personal website/blog using React, Typescript, and Next.js, with a CI/CD pipeline using GitHub Actions.
<b>OSCAR EMR</b>	– Contributed to software supply chain security of open-source OSCAR project used in Canadian Healthcare industry.
<b>Emoverse</b>	– Built a full-stack journaling platform using AWS serverless services, and fully automated CI/CD pipeline.
<b>SmartDegree</b>	– Built a DApp to issue digital certificates using Solidity and Web3 and deployed on Ethereum blockchain.

## PUBLICATIONS

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### Research Paper

- An efficient technique to control road traffic using Fuzzy Neural Network System.
- Published in the IEEE Journal – <https://dx.doi.org/10.1109/ICRITO.2014.7014723>