

# Shubham Gulati

Senior Software Engineer • Certified Cloud Architect • 7 Years Experience • B.Tech & M.Tech

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## PROFILE

Shubham is an award-winning Senior Software Engineer with 7 years of exceptional IT experience at industry leading U.S. and Canadian professional services firms. He has a Masters degree in Computer Science & Engineering and is certified in AWS. His core competencies include cloud-native web application development using Java, Spring Boot, and Microservices.

## EXPERIENCE

### Senior Technology Consultant, Deloitte Consulting

India – 2022-2022

- ♦ Lead a team of junior developers that enhanced the ease of use and accuracy of a reporting application by 30%.
- ♦ Streamlined the development and improved reliability of system by promoting and following engineering best practices.

### Technology Consultant, Deloitte Consulting

India – 2019-2022

- ♦ Developed the client's customer-facing portal with critical features like software licensing, entitlements, and downloads.
- ♦ Reduced technical debt for the project by developing a common foundation for 20 different microservice modules and JPA.
- ♦ Reduced the risk of security incidents by designing a framework to fetch configuration secrets from HashiCorp Vault.
- ♦ Improved the performance of business-critical features by 25% by optimizing application code, database tables and queries.

### Technology Analyst, Deloitte Consulting

India – 2018-2019

- ♦ Developed client's HR Portal which was a regulated product with highly sensitive data and numerical operations.
- ♦ Reduced the operational costs of the portal by 20% by re-writing Coldfusion application using Java & Spring Boot.
- ♦ Improved the efficiency and security of the modules by 80% by re-architecting backend services for the cloud.

### Associate Software Engineer, CGI Inc

India – 2016-2018

- ♦ Developed a framework to manage the state of system which reduced the maintenance downtime by 95%.
- ♦ Migrated SOAP web services to REST endpoints using modern Spring Boot-based microservices.
- ♦ Improved code coverage during testing through unit tests for Spring Web services using Junit and PowerMockito.

## CERTIFICATIONS

AWS Certified Developer Associate, Amazon Web Services (AWS)

Pursuing

AWS Certified Solutions Architect Associate, Amazon Web Services (AWS)

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AWS Certified Cloud Practitioner, Amazon Web Services (AWS)

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## SKILLS

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|----------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Backend</b>       | – Java, Microservices, Spring Boot, Spring Cloud, Spring Web, Spring Security, SQL, ORM, JPA, Hibernate, REST |
|                      | – Git, Junit, PowerMockito, GraphQL, JetBrains IDEA, SDLC, Agile, Scrum                                       |
| <b>Infra / Cloud</b> | – AWS (EC2, S3, DynamoDB, CloudFormation, IAM), GCP, GitHub Actions, Docker, Jenkins, SonarQube               |
| <b>Security</b>      | – pfSense, GVM, Nessus, Cryptography, PKI, Risk Assessment, Threat Modelling, Ghidra, IDA, Reconnaissance     |
| <b>Frontend</b>      | – SSG, SSR, Typescript, React, HTML, CSS, TailwindCSS, Next.js, Astro.js, JetBrains Webstorm                  |

## EDUCATION

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

## AWARDS

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<b>Conestoga</b>	– High Distinction Award, Outstanding academic achievement in Computer Application Security.	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.	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>	– Self-taught React, Typescript, TailwindCSS, Next.js, and Astro.js to build a blog with a simple design.
<b>OSCAR</b>	– Secured Maven build supply chain for OSCAR, an open-source Canadian Healthcare EMR system.
<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.
<b>DevMyMacX</b>	– Self-taught shell scripting to automate user and developer environment setup on a fresh macOS install.
<b>DevMyLinux</b>	– Self-taught shell scripting to automate Arch Linux OS and environment setup with minimal user interaction.

## 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>