

# JANVI PATEL

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## EDUCATION

**Dalhousie University, Halifax, Canada | GPA- 4.4/5**

*September 2021 - April 2023*

Master in Applied Computer Science

**Gujarat Technical University, India | GPA- 9.48/10**

*August 2016 - August 2020*

Bachelor in Information and Communication technology

*Achievements: Smart India Hackathon-19 runners-up, GHCI-19 Scholarship, International Tech Talks, Mentoring Interns  
Volunteering Activities : Volunteered at college and company level for different NGOs to teach underprivileged children*

## SKILLS

**Programming Languages:** Java, C#, JavaScript, TypeScript, Python, C, SQL

**Frameworks:** .Net, Springboot, Angular, React.js, Node.js, Bootstrap, JUnit, Mockito

**Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB,, Firebase

**Cloud Technologies:** Lambda, EC2, Beanstalk, S3, Cognito, SQS, VPC, Eventbridge, CloudFormation, SNS

**Concepts and Practices:** Solid Principles, Agile, CI/CD, Design Patterns, Functional Programming, Testing

**Other tools:** Jenkins, Jira, JFrog, Kibana, Fiddler, Postman, Docker, Git, RabbitMQ, HTML, CSS

## PROFESSIONAL EXPERIENCE

**Canada Revenue Agency, Halifax, Canada | Full Stack Developer Co-op**

*January 2023- Present*

- Developed real-time processing apps with improved frontend and backend for modernizing systems
- Designed notification feature for notifying users regarding taxation file information.
- Created features using Angular, Java, and Jersey for sharing electronic information with taxpayers.

**Thomson Reuters, Gujarat, India | Associate Software Engineer/Intern**

*December 2019 - June 2021*

*Linkedin featured recognition for the best intern, batch 2020*

- Implemented the accounting microservices in .NET framework and consumed from Angular module
- Upgraded feature flow and user experience using RabbitMQ and AmazonS3 to make an asynchronous system, resulting in a seamless user experience and a 10% increase in customers.
- Migrated existing features from AngularJS to Angular for efficient integration, leading to a 20% hike in sales
- Adapted Test-driven development resulting in 95% efficiency in testing and product feature deployment
- Designed robust authentication microservices and integrated ONVIO with Xero using OAuth 2.0
- Refined business requirements and engineered a solution using .NET Core and Angular with technical diagrams

## ACADEMIC PROJECTS | More projects on [Github](#)

**[Web App to connect donors and NGOs](#) | Tech Stack: React, Express.js, Node.js, Cloud (AWS)**

- Provisioned and Configured AWS Cloud Infrastructure with necessary services for web application
- Created User Pools for Admin, NGO, & Donor in AWS Cognito for Authentication and Access Control
- Implemented Auto Certificate Verification using S3, Lambda, and AWS Texttract
- Executed a Simple Email Service with Lambda for User registration and NGO verification
- Crafted voice-to-text conversion for Donor using AWS Transcribe
- To optimize deployment processes, deployed ReactJS and NodeJS applications using CloudFormation

**[Web app for explorers with real-time location updates and trip planning](#) | Tech Stack: Angular, SpringBoot**

- Architected Single sign-on (SSO) and JWT authentication module for the system by integrating Google's OAuth 2.0 with angular and spring boot to increase security of app;ication by 80%
- Deployed monolith web application on Heroku with a customized script by creating GitLab CI/CD Pipeline, triggering on change in Backend and Frontend respectively real-time
- Employed real-time data updates using firebase and stored constant data using PostgreSQL
- Achieved Test-Driven Development by writing JUnit Test Cases and improved security of application by attaining code coverage of 100%
- Delivered high-quality software following SOLID principles, cohesion, coupling, code refactoring, and cleaning techniques. Configured Code Quality Pipeline resulting in 95% of code quality by resolving code smell

**[Serverless Halifax Foodie Multi Cloud Based Application](#) | Tech Stack: Python, AWS, Node.js, React.js**

- Engineered a Multi-Cloud based serverless hotel management application with backend hosted using **GCP Cloud Functions** and **AWS Lambda** while frontend hosted on GCP Cloud Run
- Integrated in-app notification and chatting system using **GCP Pub/Sub & Firestore** in the backend
- Enhanced Authentication and Authorization module using **AWS Cognito** and **AWS Amplify** by increasing it's authentication by 70%
- Built **Chatbot** using **AWS Lex** to book rooms and to get feedbacks from users