

TEJAS PATEL

Software Engineer

@ tejas.patel@dal.ca

+1-902-809-8530

Halifax, NS

in linkedin.com/in/tejasdal/

github.com/tejasdal

WORK EXPERIENCE

Programmer Analyst (Java Developer)

Meditab Software Company

Jun 2018 – November 2019

Ahmedabad, India

- Worked as back-end developer in an Agile team with full participation in each Scrum event.
- Developed and managed the back-end services using Java, Spring Boot and Maven. Troubleshoot production issues.
- Played a key role to design and develop many services using microservice architecture.
- Integrated with vendors for different types of services
- Deployed, scaled and managed applications using Jenkins pipelines and GKE

Java

Spring

REST API

Jenkins

Apache Camel

MongoDB

EDUCATION

Master of Applied Computer Science

Dalhousie University

Score: 4.05/4.3

Jan 2020 – May 2021 (Anticipated) Halifax, Canada

Bachelor of Engineering in Computer Engineering

KSV University

Score: 8.62/10

Aug 2014 – May 2018

Gandhinagar, India

PROJECTS

Group Formation Tool

Dalhousie University (Advance Topics in Software Development)

May 2020 – Aug 2020

Halifax, Canada

- Worked with a team of four members to develop a **web service** that helps the instructor and TAs of a course to create a survey and to form groups of students based on responses of the survey.
- Developed survey module, authorization using **Spring security**.
- Learnt **software engineering concepts** and follow their best practices, e.g., SOLID principles, TDD, error handling, logging, clean code techniques, design patterns, refactoring.
- Used **Spring Boot** and **Thymeleaf** for web service and **Heroku** to deploy it.

Java

Spring Boot

REST API

GitLab

Heroku

MySQL

Web service to track jobs

Dalhousie University (Advance Topics in Web Development)

May 2020 – Aug 2020

Halifax, Canada

- Worked with a team of five members to develop a **web service** that helps users to track job applications, related tasks, etc.
- Developed kanban job tracking module(**USP**) guided team members to understand and follow development using **Spring Boot**.
- Received **appreciation** from professor and TAs for wonderful front-end.
- Used **Angular2** to develop front-end and **Spring Boot** for back-end, **Amazon RDS** for database, and **Heroku** with **GitHub** to implement **CI/CD** pipeline.

ACHIEVEMENTS



Awarded MACS Scholarship September 2020 for my excellent academic performance.



Awarded 100% tuition fee sponsorship from Gujarat Government from 2014 to 2018.



Secured 2958th all India rank in GATE 2018 exam among 200,000 participants.



Achieved rank in Top 5% (out of more than 1,00,000 participants) in an international coding competition (TCS CodeVita) organized by TCS in 2016.



Scored 100 out of 100 in Mathematics CBSE HSC Board Exam 2014.

SKILLS

Java

- 1.5 year of professional and 5 years of academic experience
- Good understanding of multi-threading

Spring Boot, Maven, Hibernate, MongoDB

- Experienced with developing micro-services and REST APIs using Spring Boot, Spring Security, Maven, and Hibernate.

Git, Jenkins

- Good understanding of working of Git.
- Experienced with implementing CI/CD pipelines using Jenkins, Heroku and GitLab.

Data Structure and DBMS

- Knowledge of various data structures, algorithms, and DBMS.
- Achieved GOLD badge for data structure and algorithm on Hackerrank.

AWS, Docker, Azure Service

- Experienced with AWS to configure EC2 instance, deploying docker containers on AWS ElasticBeans and Azure app service.
- Hands-on experienced with developing serverless APIs using AWS Lambda and AWS API Gateways.

Angular2, NodeJS, TypeScript, Kotlin, Android

- Academic experienced with development using NodeJS, Angular and Android.

PROJECTS

Order Management System

Dalhousie University (Advance Topics in Cloud Computing)

📅 May 2020 – Aug 2020

📍 Halifax, Canada

- Worked with team of five members to develop a **web service** to manage orders between e-commerce, delivery and vendor companies.
- Developed main web service portal (e-commerce) out of three and implemented XA transaction for all three services.
- Used **SailsJs** to build web service, **AWS RDS** for database, **AWS Lambda** for serverless APIs, and deploy dockerized container on **Azure App Service**.

SailsJS

AWS RDS

AWS Lambda

Azure App Service

GitLab

Meal Preparation Android App

Dalhousie University (Mobile Computing)

📅 Jan 2020 – Apr 2020

📍 Halifax, Canada

- Developed an **Android app** to provide a platform to share and discover new food recipes with ingredients and nutrition information.
- Acted as **leader** of a team and developed all functionalities of recipe module.
- Build the app using **Android Material Design** library to provide consistent UI/UX.
- Used Android with **Kotlin** for app development and **firebase** for authentication.

Android

Kotlin

Material Design

GitLab

Firebase

Integrated vendor (Surescript) service

Meditab Software Company

📅 Apr 2019 – Oct 2019

📍 Ahmedabad, India

- Worked with a cross-functioning team of five members to design and develop a **micro-service** to **integrate services of the vendor**.
- **Reduced** prescription transmission time by **33%** and improved user experience of **2000** clients.
- Completed tasks before target deadline and successfully passed **certification process** of the vendor.
- Used **Spring Boot** to develop micro-service, **hibernate** for **multi-tenancy** architecture, **JAXB** for **XML** conversion, **Jenkins** and **GitLab** to implement **CI/CD** pipeline, and **Google PubSub** for communication between services.

Spring Boot

Java

Sybase

GitLab

Jenkins

JUnit

JAXB

Hibernate

Google PubSub

Release Planning Module

Meditab Software Company

📅 Nov 2018 – Jan 2019

📍 Ahmedabad, India

- Individual task to develop a module for internal teams to trace activities and milestones of a sprint release.
- Eliminated manual tasks to **automate process** to connect with existing deployment utility.
- Delivered **presentation** to the CEO and training to internal teams.
- Used **Spring Boot** and **Java** to develop **REST APIs**, **MongoDB** for database, and **GKE** to deploy the application.

Spring Boot

Java

MongoDB

GitLab

Jenkins

JUnit

Google Kubernetes Engine

REST APIs

TOOLS

IntelliJ, Eclipse

- Expertise using these IDEs with shortcuts and other plugins.

Postman

- Experienced in testing REST APIs using Postman.
- Delivered presentation at Meditab on optimal use of the tool using environment files and pre and post scripts.

Microsoft Visual Studio Code, Android Studio, Jupyter, MySQL Workbench

- Hands-on experienced with developing web, android, machine learning applications using these tools.

PERSONAL SKILLS

Team Work

Innovative

Creative

Problem Solving

Enthusiastic

LANGUAGE

English

IELTS (7/9)

Hindi

Native

OTHER INTERESTS

Cricket

Cooking

Hiking

Sudoku

VOLUNTEER

Annual tech-fest (Xenesis 2018), KSV University

- Worked as a member of campaigning committee of annual tech-fest in the undergraduate college
- Acted as a leader of the front-desk campaigning committee of the college and our team increased participants by 30% within 3 days with the help of strong strategy and communication.