

Deep Muni

deep.muni94@gmail.com | +91 7977913696 | <https://linkedin.com/in/deep-muni> | <https://github.com/deep-muni>

EDUCATION

Master of Applied Computer Science

September 2019 – April 2021

Dalhousie University, Halifax, Canada (GPA: 3.86)

Bachelor of Engineering in Information Technology

August 2012 – July 2016

K.J. Somaiya College of Engineering, Mumbai, India (GPA: 3.33)

SKILLS

Programming Languages	Java, JavaScript, Python, TypeScript, C++, PHP, HTML5, CSS3
Web Development	Spring Boot, React, Node, Angular, Express, Sails, Struts
Quality Assurance	JUnit, Jest, Cypress, React Testing Library, PyTest, Automation API Testing
Databases	MariaDB, MySQL, PostgreSQL, MongoDB
Cloud Environment	Google (GCP), Amazon (AWS), Microsoft (Azure)
CI/CD	Kubernetes, Docker, Jenkins, ArgoCD, GitLab Pipeline, GitHub Actions
Tools	IntelliJ, VS Code, Git, Postman, Browser Developer Tool
Project Management	JIRA, Scrum, ServiceNow, Mantis, Asana

WORK EXPERIENCE

Senior Software Engineer

January 2022 – August 2024

Freestone Infotech (Privacera), Mumbai, India

- Developed Software as a Service for data access management using Java Spring Boot and React JS.
- Implemented clean and maintainable business logic and REST APIs in Java Spring Boot for 20+ modules adhering to Controller-Model-Service-DAO layers and S.O.L.I.D. principles.
- Managed database schema/structure change using Liquibase, interfacing with MariaDB and Postgres through Spring Boot (JPA/QueryDSL) and command-line (SQL/PSQL).
- Design and develop Landing Page, Chart Dashboard, Tabular data with browser filters and pagination, 30+ user interface pages and custom reusable class/functional components using React JS.
- Managed application state using MobX and Redux for re-rendering components on updates.
- Implemented Axios HTTP layer for REST API data retrieval and handled promise data using async/await.
- Enhanced user experience by creating aesthetic responsive design using Material UI components.
- Initiated codebase optimisation, resulting in best coding standards and 50% improvement in performance.
- Increased code coverage by adhering to Test Driven Development (JUnit in Java, Jest/Cypress in React).
- Automated REST API Testing using the PyTest framework, developed Python scripts to facilitate performance testing with large data sets.
- Deployed and maintained micro-services in Docker and Kubernetes across development environments.
- Delivered production-ready sprints every two weeks and conducted comprehensive reviews for peers via merge/pull request on GitLab.

Software Developer

January 2021 – January 2022

Canada Revenue Agency, Ottawa, Canada

- Developed enterprise web application with Struts Web Framework in Model-View-Controller architecture.
- Handled and maintained the business logic in Enterprise JavaBeans connecting to the mainframe.
- Worked on migrating front end from Struts JSP to Angular with TypeScript.
- Used Git as version control system integrated with Jenkins for CI/CD on Oracle WebLogic server.
- Worked in an agile environment to deliver the sprints using JIRA and performing peer code reviews.

Graduate Teaching Assistant

September 2020 – December 2020

Dalhousie University, Halifax, Canada

- Assisted instructor for course CSCI 5408 Data Management, Warehousing, And Analytics.
- Conducted laboratory sessions on topics SQL Query, Visualization, Apache Spark and Business Intelligence.

Associate UI Developer

March 2019 – June 2019

Media.Net Software Services, Mumbai, India

- Developed cross-browser structure and responsive design for desktop, tablets, and mobile.
- Designed aesthetic user interface using HTML5, CSS3, and JavaScript/jQuery with support on browsers like Google Chrome, Mozilla Firefox, and Internet Explorer (till IE version 7).
- Fetched data using REST API in JavaScript using Fetch API to create dynamic DOM structure.
- Responsible for gathering the publisher's requirements for creating ad units (Keyword, Imagizers, SERP).
- Performed unit testing of the ad units on multiple browsers and devices.

Application Development Analyst

August 2016 – March 2019

Accenture Solutions, Mumbai, India

- Designed user interface with HTML, CSS and JavaScript.
- Implemented business logic in Java with SQL queries to fetch data using JDBC. Wrote test cases using JUnit for the unit test of the application.
- Automated activities using Python Scripting and scheduled Cron jobs on Linux OS.
- Monitored system health for SAP systems and Linux OS. Performed start/stop activity for SAP systems and database. Resolved Priority1/Priority2 incidents during On-Call support.

SELF LEARNED & DEVELOPED

- Deployed various front-end/back-end micro-services and persistence layer on Kubernetes and Docker with Jenkins and GitLab pipelines for continuous integration and continuous deployment.
- Developed front end homepage clone from Amazon, Facebook & Instagram using React JS.
- Learnt various web development frameworks (React, Spring Boot, Node, Angular, Vue, Sails, Express) and technologies like Linting, Webpack, Package Manager (NPM & YARN).

ACADEMIC PROJECTS

Shopping Kart

Advanced Topics in Web Development

- Developed an online grocery shopping application using MongoDB, Express, React, Node JS. Deployed front-end on AWS Amplify, back-end on Heroku Cloud and MongoDB on MongoDB Atlas.
- Created REST APIs to manage the products, inventory, payment and users. GitHub was used as a version control system and MS Teams was used for collaboration.

Cake Bakery

Advanced Topics in Cloud Computing

- Developed full stack web applications in Angular, React JS, Sails JS and Node JS. Deployed the application using Elastic Beanstalk, Lambda (serverless computing), MS Azure (Docker) and MySQL (AWS RDS).
- Followed Agile methodology for development and SCRUM was used as project management tool. For version control our team used GitLab.

Hockey League Simulation

Advanced Topics in Software Development

- Developed a web application using Java Spring Boot to simulate a hockey league championship.
- Wrote the code within the guidelines of S.O.L.I.D. principle and Test-Driven Development (JUnit).
- Established Continuous Integration and Continuous Delivery (CI/CD) pipeline on GitLab Auto DevOps.

Sentiment & Semantic Analysis

Data Management, Warehousing, And Analytics

- Implemented an algorithm in Python to perform analysis on the data fetched from twitter API. Transformed and loaded in MongoDB using PyMongo. Used Pandas and NumPy for data analysis and processing.
- User Apache Spark (on AWS EC2 instance) for Word Count for the sentiment analysis.
- Visualized the data using Tableau to create the word cloud.

Shortest Path Finder

Software Development Concepts

- Implemented an algorithm in Java to find the shortest path between source and destination.
- The application allowed the user to create a customized map having intersections and roads.
- Provided the shortest path between the required intersections as an output.