

# Vinayak Abhinav Rupanagunta

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## WORK EXPERIENCE

### Wipro | Test Engineer

April 2024-Present

- Leveraged **BDD Cucumber, Java, and Selenium** to design and execute automated test scripts for functional and regression testing across backend and data-driven applications.
- Designed and executed automated UI tests using **ChromeDriver** to validate user interface elements, ensuring functionality and consistency.
- Used **SQL Server and Oracle DB** primarily for data validation, performing complex queries to ensure the integrity, accuracy, and consistency of backend data within the applications.
- Enhanced and maintained reusable automation frameworks, improving test coverage, execution speed, and scalability across multiple banking projects in TD Bank.
- Collaborated with QA teams to define test cases, address defects, and ensure alignment with business requirements.

### CGI | Associate Software Engineer

August 2020-August 2022

- Designed and developed **REST Microservice applications using Spring Boot** for Bell Telecom Canada, aligning them with the latest telecom trends.
- Contributed to the optimization of application within the team, **resulting in a 20 percent increase in productivity**, positively impacting overall team efficiency and workflow.
- Deployed and Tested the REST Applications in various testing environments and performed regression testing to make sure the applications runs smoothly in production.
- Developed comprehensive test cases utilizing **JUnit and Mockito** frameworks **reducing production anomalies by 25 percent** to validate diverse scenarios, ensuring seamless execution of code in production.
- Developed and updated a Full Stack application called Simulator Cart using **Angular and Spring boot** based on client requirements
- Used **OpenShift and UDeploy** extensively for building and deploying the Spring Boot applications and **Kafka as Message Broker** in microservices architecture.
- Used **Kibana Dashboards for Application Monitoring** and to retrieve the Console Logs for troubleshooting.
- Applied Agile methodologies for **design and development utilizing Scrum**.
- Implemented Technical documentation of applications and maintained Confluence pages up to date to give a clear understanding of the applications to the client and improving the onboarding of new team members.
- Provided extended support to the client to troubleshoot resolve any critical issues which occurred during business hours.

## TECHNICAL SKILLS

- Programming languages:** Java, J2EE, C, C++, Python, **JavaScript, NodeJS, TypeScript, HTML, CSS.**
- Database:** SQL, PostgreSQL, **MySQL, SQL Server**, Oracle, RDS, NoSQL, MongoDB, DynamoDB, GCP Firestore.
- Frameworks/Libraries:** Express.js, React, **Spring Boot**, Spring MVC, Hibernate, Angular, Material UI, Bootstrap, jQuery, **REST APIs web APIs/services, Cucumber, Selenium, Jest, Junit, TestNg, Mockito.**
- Process Knowledge:** Object Oriented Programming, Agile Methodology, Software Development Lifecycle (SDLC), **Test Driven Development (TDD), Behavioral Driven Development (BDD),** Design Patterns, Code Refactoring, MVC architecture
- Software Tools:** Visual Studio Code, IntelliJ IDEA, Eclipse, MS Office Applications, **Git, GitLab, GitHub,** Maven, Postman, Figma, SVN, TortoiseSVN.
- Cloud Technologies:** Docker, S3, AWS Lambda, APIGateway, EC2, Elastic Beanstalk, Lex, SQS, SNS, VPC, CloudFormation, EventBridge, CloudWatch, Identity and Access Management (IAM), Google Cloud Functions, Google CloudRun, Artifact Registry

## EDUCATION

- Masters in Applied Computer Science, Dalhousie University** Sept 2022 - Dec 2023
- Bachelors Of Technology, Gitam University** June 2016 – June 2020

## CERTIFICATIONS

- AWS Certified Cloud Practitioner:** - Amazon Web Services
- Angular-Java Spring Full Stack:** - StackRoute NIIT India