

## SAGAR BHATT

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### TECHNICAL SKILLS

<b>Programming languages</b>	JAVA, Python, C#, PL/SQL.
<b>J2EE Technologies</b>	Servlets, Struts, EJB 2.0, JSF, JDBC, JSTL, JNDI, JMS, Java Bean, JTA.
<b>Web Technologies</b>	HTML5, CSS3, JavaScript, ReactJS, NodeJS, Bootstrap, JSON.
<b>Database</b>	MS SQL, Oracle, MySQL, Neo4j, Apache SPARC, Hadoop – MapReduce
<b>Application Frameworks</b>	Spring 4/5, Spring MVC, Spring boot, Spring Security, Spring Batch, Spring ORM.
<b>ORM Framework</b>	Hibernate, Spring Data JPA.
<b>Web/Application Servers</b>	Apache Tomcat 6.0, Oracle WebLogic.
<b>AWS Technologies</b>	Elastic Beanstalk, EC2, S3, VPC, Secrets Manager, RDS, ALB, Route53
<b>Test Automation Frameworks/Tools</b>	Selenium, Test-NG, Rest Assured, Page Object Model, Postman, SwaggerUI
<b>Version Control</b>	GitLab, Git, JFrog Artifactory.
<b>IDE</b>	IntelliJ, Visual Studio Code, Eclipse, SQL Server Management Studio, POSTMAN
<b>Build tools</b>	Maven, Jenkins, Docker.

### PROFESSIONAL EXPERIENCE

#### Engineer II - Software

May 2022 - present

#### DISH Wireless, Littleton, CO (Via Infomatics Technologies)

- Developed a Network performance monitoring tool to visualize RAN, messaging, core and device performance indicators on maps, charts, and tabular format with the ability to display the configuration parameters on the network elements.
- Followed Scrum Agile methodology for the iterative development of the application and participated in weekly Sprints stand up meetings and customer reporting backlogs. Used JIRA as a project management tool to track the sprint cycles.
- Developed an application using Spring Framework integrated with Hibernate to map entity classes to MS SQL Database for the Workflow of various modules. Used Spring core Annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for microservices.
- Implemented Authentication and Authorization module using Spring Security and JWT Token.
- Developed Swagger UI for REST API documentation.
- Implemented client-side Interface using ReactJS. Worked on responsive design and developed a single web page applications responsive website that could be served to desktop, and mobile users using ReactJS.
- Developed the automation test script to run the regression test on the station tool and generate the regression test report after each deployment.
- Maintained the centralized GitLab code repository.
- Created the AWS instances to deploy the code fixes to DEV and PROD environments. Used Docker container to containerised the application and deployed on AWS EC2 instances.
- Develop Route53 records to get the DNS for the station tool. Develop the API gateway and load balancer in the AWS.

**Quality Assurance Automation Engineer II**  
**DISH Wireless, Littleton, CO**

September 2020 - May 2022

- Hands-on experience on Manual, Automation, DevOps testing of Testing of Web Client Server, Cloud (AWS), Mobile, API, Webservices applications.
- Expertise in understanding Business Requirement Specifications, Functional Specifications and Design documentations and converting them into Test Scenarios.
- Created automation test scripts using data Driven framework and Page Factory model to test the web applications using Selenium WebDriver with JAVA, TestNG framework and maven to validate the Network build-out application - NexsysOne.
- Expertise in using Selenium Grid to run test scripts on different platforms and against different browsers in parallel to save time. Performed Cross browser testing and Parallel testing on Chrome, Firefox and Safari using TestNG and Maven on Selenium grid.
- Performed the REST API automation testing using RestAssured framework, Swagger UI and POSTMAN.
- Generated customizable HTML reports using external libraries and integrated with Selenium WebDriver using JUnit and TestNG frameworks.

**Software Engineer - I**  
**REVOLUTION SYSTEMS, Golden, CO**

May 2019 – September 2020

- Developed a cloud solution of ERP system to manage Material Recovery Facility using Spring MVC and Spring Core to manage more than one plant from central location.
- Designed and developed front-end using React JavaScript, Bootstrap, HTML5, and CSS3.
- Used Hibernate as the ORM tool for performing the database related operations - Incoming, Production, Sold, current inventory, Employee timesheet, Machine runtime and maintenance, and mapped the tables from MS SQL Server to entity classes.
- Used GIT for version control, and Jenkins for Continuous Integration and Continuous Deployment (CI/CD). Used JIRA as the issue tracking and bug tracking tool. Used Maven for dependency management and building the application.
- Integrate SQL database with Power BI and SQL Server Reporting Server (SSRS) to generate the dashboard for stakeholders.
- Used AWS EC2 instances for cloud hosting. Use Docker to containerized application and ECR service for registering the docker containers.

**Quality Assurance Automation Engineer I**  
**AT&T (TECH MAHINDRA LTD) Mumbai, India**

August 2016 – June 2018

- Designed and developed a robust and scalable test automation framework that supports the client application running entirely on the latest web technologies.
- Developed the Test Cases based on Use Cases, Annotation Documents and Business Rules.
- Created functional automation scripts for the report generation module using tools Selenium Web-driver, Element Locator techniques and TestNG framework.
- Setup the Automation framework using Selenium WebDriver to run test cases in multiple browsers and platforms.
- Performed Regression testing on new builds, every modification in the application using Selenium WebDriver.
- Performed all aspects of verification including Smoke Testing, Functional Testing and Regression Testing on major functionalities of the application.
- Developed and Executed TestNG Test Cases using IntelliJ IDE and Maven dependency management tool.
- Identified and reported bugs by generating tickets in HP Quality Center for tracking.

**EDUCATION**

**Master of Computer Information Systems**, Colorado State University, CO

December 2019

- *Business Intelligence graduate certificate*  
**GPA: 3.78**

**Bachelor of Engineering in Mechatronics & Robotics Eng**, Gujarat Technological Univ, India  
**GPA: 3.4**

May 2016

## ADDITIONAL TECHNICAL EXPERIENCE

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**Graduate Research Assistant** | COLORADO STATE UNIVERSITY, Fort Collins, CO August 2018–December 2019

- Built JAVA automation framework using Selenium WebDriver and Element Locator to automate end to end SAP ERP process including ordering, logistics, warehouse etc.
- Analyze effectiveness of interactive textbook by providing statistics of grades improvements & feedback.
- Access control model using spatio-temporal constraints to provide authorization in hierarchical structure.

**IT Media Specialist** | CSU ONLINE PLUS, Fort Collins, CO August 2018 – December 2019

- Managed video database, pre- and post-production of lecture videos.
- Recorded classes for live telecast and posted to Echo360 using Echo monitor and Crestron Panel.

**Graduate Teaching Assistant** | COLORADO STATE UNIVERSITY, Fort Collins, CO January 2019 – May 2019

- TA for **JAVA** (CIS 240 – Application design and development, CIS 210 - Information Technology in Business).
- Responsibilities included mentoring students, holding office hours to provide assistance.
- Grading tests and assignments.

## COMMUNITY INVOLVEMENT

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- Member of **CIS Club** (Colorado State University), **JOSH Group** (Tech Mahindra Ltd., Mumbai).
- **Chairperson** of **ISTE** (Indian Society for Technical Education) and **AGII** (Aptitude, Group discussion, Interview, Industrial visits).