SAGAR BHATT

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PROFESSIONAL SUMMARY

- Creative and innovative IT professional working as a Java Developer with over 7 years of experience with proficiency using cutting - edge technologies.
- Experienced with various services of AWS: EC2, AWS Lambda, S3, CloudFront, API gateway, SNS, IAM and Cloud Watch. Ensured data integrity and data security on AWS technology by implementing AWS best practices. Configured Inbound/Outbound in AWS security groups according to the requirements.
- Experience in developing Front End components (UI) using JavaScript, JQuery, AJAX, ReactJS, NodeJS, HTML5, CSS3(SaSS/LESS) and Bootstrap for projects based on java platform. Used React.JS, and Express.JS MVC framework for developing the Single Page Application (SPA).
- Developed the backend system, involved in writing and fine tuning the databases SQL queries, views, functions triggers, and procedures.
- Excellent Project implementation skills using Core Java, Java Beans, J2EE, Spring MVC, Spring Security, JWT token, Hibernate, JDBC, XML, Web Services and Design Patterns.
- Strong working knowledge on modern build tools and continuous integration frameworks including Maven, Gradle, Ant and NPM and Jenkins job creations and migrating legacy projects to modern tools.
- Experience applying the latest development approaches including MVC, event-driven applications using AJAX, Object Oriented (OO) JavaScript, JSON, and XML.
- Experienced in all phases of the Software Development Life Cycle (SDLC) with specific focus on the build and release and quality of software and involved with teams that worked on Scrum, Agile Software Development and Waterfall Methodologies.
- Expert in Software Requirement Specification Documentation and gathering all the requirements related to product.
- Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation by using various tools like GitHub, SVN, Bitbucket, Terraform, Ant, Maven, Jira, Jenkins, Docker, Kubernetes, Nagios.

TECHNICAL SKILLS

Languages:	JAVA, Python, PHP, JavaScript, PL/SQL.
Web Technologies:	HTML5, CSS3, JavaScript, ReactJS, NodeJS, Bootstrap, JSON, Microservices.
Database:	MS SQL, Oracle, MySQL, Neo4j, Apache SPARC, Hadoop – MapReduce, RedShift, Athena
REST API Frameworks:	Spring 4/5, Spring MVC, Spring boot, Spring Security, Spring Batch, Spring ORM, SwaggerUI.
ORM Framework:	Hibernate, Spring Data JPA.
Cloud Technologies:	AWS, Elastic Beanstalk, EC2, S3, VPC, Secrets Manager, RDS, ALB, Route53, ECS, ECR, EKS
Test Frameworks:	Selenium, Test-NG, Rest Assured, Page Object Model, Postman, Junit5, Mockito
Version Control:	GitLab, Git, JFrog Artifactory.
IDE:	IntelliJ, Visual Studio Code, Eclipse, SQL Server Management Studio, POSTMAN
Build tools:	Maven, Jenkins, Docker.

PROFESSIONAL EXPERIENCE

DISH Wireless, Littleton, CO   September 2020 - present
Senior Engineer – Software, July 2023 - Present
Engineer II – Software, September 2020 – June 2023

- Designed and developed a Network Performance Monitoring tool, enabling visualization of RAN, messaging, core, and device performance indicators on maps, charts, and tables, enhancing network monitoring capabilities.
- Involved in designing the system based on UML concepts which include data flow diagrams, class diagrams, sequence diagrams, state diagrams.
- Implemented an Agile development approach, utilizing Scrum methodologies, and actively participated in weekly Sprint stand-up meetings, ensuring efficient project management and communication using JIRA.
- Created a robust application using the Spring Framework integrated with Hibernate, facilitating efficient data mapping to a Redshift Database, and employed Spring Security and JWT Token for robust Authentication and Authorization.
- Implemented REST Microservices using Spring boot. Generated Metrics with method level granularity and persistence using Spring AOP. Micro service registration is done with spring cloud using Netflix Eureka, Ribbon is used for Load balancing and Hystrix circuit breaker for fault tolerance.

- Enhanced API documentation by developing Swagger UI for REST APIs, improving accessibility and usability for developers and stakeholders. Used Junit5 and Mockito framework for the unit testing.
- Demonstrated expertise in front-end development by building a responsive single-page application using ReactJS, to utilize the HTML5 DOM features and update elements that are modified in the webpage; optimizing the user experience for both desktop and mobile users.
- Implemented various screens for the front end using ReactJS and used various predefined components from NPM (Node package Manager) and redux library. Involved in using React JS components, Forms, keys, Events, Router, Animations and Flux concept.
- Wrote Web API controller to handle RESTful calls to enable communication between view components and server to fetch corresponding data for the front-end ReactJS services.
- Used GitLab for version control; Maven for dependency manager; Jenkins for the CI/CD pipeline.
- Utilized AWS ECR as docker image repository. Used AWS ECS to deploy docker container to Fargate and on EC2.
- Launched AWS instances using auto-scaling for scaling up and scaling out instances while deploying Microservices into production environment.
- Designed and deployed a multitude of applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, IAM) focusing on high-availability, fault tolerance, and auto scaling in AWS Cloud formation.
- Followed Agile with JIRA for a 2-week release approach of development/deployment strategy, Test Driven Development (TDD) and developed technical design documents.

Environment: Java, Microservices, Spring boot, Spring AO, AWS, Redshift, EC2, ECS, ECR, S3, RDS, Lambda, Dynamo DB, SwaggerUI, ReactJS, Bootstrap, CI/CD, Jira, Docker, Maven, GitLab, Junit5 and Mockito.

Revolution Systems, Golden, CO   May 2019 – September 2022
Engineer II - Software
- Developed a cloud-based ERP system for efficient Material Recovery Facility management, leveraging Spring MVC and Spring Core to enable centralized control of multiple plants from a single location, optimizing operational efficiency.
- Used MS Visio for use case diagrams, Object diagrams, Active flow diagrams, Class diagrams, Sequence diagrams in Design phase.
- Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for micro-services. Used JDBC interfaces to perform CRUD operations on database.
- Designed and implemented a user-friendly front-end using React JavaScript, Bootstrap, HTML5, and CSS3, ensuring an intuitive and responsive user interface that enhances user experience.
- Worked on AWS services such as S3, EC2, ELB, EBS, VPC and deployment services like Lambda, and Cloud Formation and security practices such as IAM, logging/CloudWatch and CloudTrail and RDS.
- Implemented various screens for the front end using ReactJS and used various predefined components from NPM (Node package Manager) and redux library.
- Utilized Hibernate as the ORM tool to facilitate database operations, including handling incoming materials, production, sales, current inventory, employee timesheets, machine runtime, and maintenance.
- Successfully mapped tables from MS SQL Server to entity classes, ensuring seamless data management.
- Implemented robust version control using Git and automated the CI/CD pipeline with Jenkins.
- Utilized JIRA for issue tracking and bug management, and managed project dependencies and builds efficiently using maven.
- Integrated SQL databases with Power BI and SQL Server Reporting Server (SSRS) to create insightful dashboards for stakeholders, providing valuable data-driven insights.
- Hosted the application on AWS EC2 instances, containerized it using Docker, and registered the containers using the ECR service, ensuring reliable cloud hosting and scalability.

Environment: Java, Spring MVC, Spring Core, Spring DI, Spring MVC, Spring boot, Microservices, JDBC, ReactJS, Bootstrap, AWS, S3, EC2, ELB, EBS, VPC, Lambda, IAM, Cloud Watch, CloudTrail, RDS, MS SQL, CI/CD and SSRS.

AT&T (TECH MAHINDRA LTD) Mumbai, India   August 2016 – June 2018
Software Engineer I
- Designed and implemented a highly scalable and resilient test automation framework to support a client application built on cutting-edge web technologies, ensuring robust and efficient testing processes.
- Developed comprehensive test cases based on detailed Use Cases, Annotation Documents, and Business Rules, aligning testing efforts with project requirements.

- Created functional automation scripts for the report generation module, leveraging Selenium WebDriver, advanced Element Locator techniques, and the TestNG framework, enhancing test coverage and accuracy.
- Established and configured the automation framework using Selenium GRID, enabling the execution of test cases across multiple browsers and platforms. Conducted rigorous Regression Testing to ensure the stability of the application, identifying and documenting defects using HP Quality Center for efficient tracking and resolution.

Environment: Java, ReactJS, Selenium WebDriver, TestNG.

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   May 2016
  GPA: 3.4

ADDITIONAL EXPERIENCE

Graduate Research Assistant | COLORADO STATE UNIVERSITY, Fort Collins, CO   Aug 2018–Dec 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   Aug 2018–Dec 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   Jan 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

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