NAGA SUMA MOCHARLA

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# PROFESSIONAL SUMMARY

* 4 years of professional experience in all phases of software development life cycle (SDLC) including system

design, development, production support and maintenance of various Web Applications using JAVA/J2EE Technologies

* Experience in building applications using various technologies like Java, Spring, Spring boot Hibernate, JPA framework.
* Well versed with UI technologies like HTML, XHTML, CSS, AJAX, jQuery, JavaScript, React, Angular7, Nodejs, Bootstrap and JSON. Good experience on SOAP and REST Web Services.
* Good Knowledge on working with OAUTH2.0 to provide authentication and authorization to Rest services by exchanging Access tokens.
* Experience in working with Message Queues services like RabbitMQ, Apache Kafka, IBM MQ for communication between sender and listener.
* Sound RDBMS Concepts, extensively worked with Oracle, DB2 and MYSQL databases and Oracle PL/SQL Experience. Proficient in OOPS, Design Patterns and Data Structures, Algorithms.
* Proficient in Object Oriented Programming using Core Java, Multi-threading, Synchronization, Serialization, Collections and Data Structures.
* Well versed in using Software development methodologies Agile Methodology, Scrum and Waterfall software development processes.
* Experience with Solution Architecture J2EE design patterns like Singleton, Command, Factory, Observer, Front Controller, DAO, MVC, Transfer Object, and View Object in the development of enterprise applications.
* Experience in developing Web Services using – REST, SOAP, WSDL and developing DTDs, XSD schemas for XML (parsing, processing, and design).
* Experience in working Apache Tomcat application server.
* Expertise in developing GUI based applications with Java Applets and Swings.
* Expertise in Design Patterns including Data Access Object, Business Delegate, MVC, and Singleton.
* Working experience on MongoDB, Relational Database (RDBMS) concepts, database designing, SQL Server, Oracle, Elastic Search, Kafka.
* Familiar with Amazon Web Services (Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon RDS, Amazon Elastic Load Balancing, AWS Cloud Watch, Amazon EBS and Amazon CloudFront).
* Built Micro Services using Spring boot with continuous deployment and continuous integration using Docker and Jenkins.
* Involved in design of Scheduling Application using the Activity, Data Flow, Class and Sequence UML diagrams.
* Proficient in Microservices & APIs using Spring Cloud, Spring Security, Spring Boot, and Spring Integration.
* Experience in SOFTWARE DEVELOPMENT LIFE CYCLE SDLC Requirements Specification, Design documents and writing Test Cases Waterfall to AGILE methodology.

# TECHNICAL SKILLS

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| Languages | C, Python, C++, Java 1.8,1.7,1.6 J2EE, SQL |
| Enterprise Java | JSP 3.0, Servlets 3.1, JSTL, JDBC, JSF, JDBC, Java Security, Multi-Threading |
| Tools & Framework | Spring 4.x, Hibernate 4.3, Spring MVC, Spring boot, Spring IOC, Spring  AOP, JMS, Log4J, JUNIT, Jasper reports, SOAP UI, |
| Web/App Servers | AWS, Apache, Tomcat 8, JBoss |
| Database | PostgreSQL, MySQL 5.7 |
| Development Tools | Eclipse, IntelliJ 2017.1, Spring Tool Suite STS 3.8.3, NetBeans 8.0.2 |
| Testing Tools | JUNIT. |
| Version Control | CVS, SVN, GitHub 2.12.0 |

# EDUCATION

**Master of Engineering, Computer Engineering, Data Science Apr 2022**

University of Cincinnati, College of Engineering and Applied Science, Cincinnati, Ohio

# Bachelor of Technology, Electronics and Communication Engineering May 2018

KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Andhra Pradesh, India.

# PROFESSIONAL EXPERIENCE

**Client: Amazon Web Services Seattle, USA July 2022- April 2023**

**Role: Software Engineer**

**Responsibilities:**

* As part of the Elastic Block Store (EBS) team, supplied storage volumes for use with Amazon EC2 instances, delivering storage volumes tailored for use with Amazon EC2 instances.
* Contributed significantly to the establishment and construction in the ALE region, supporting AWS growth strategy.
* Actively participated in the Rack Retirements and Migration Program, effectively releasing capacity in regions and availability zones with limited resources to facilitate the deployment of new racks.
* Demonstrated expertise in monitoring dashboards and maintaining real-time status checks of EBS resources, allowing for informed decisions on capacity planning and performance optimization.
* Ensured operational readiness by participating in the on-call rotation, guaranteeing timely response to emergencies beyond regular business hours, resulting in prompt resolution of critical issues and service outages.
* Collaborated with senior engineers and architects to design scalable, fault-tolerant systems that comprise the EBS fleet.
* Contributed to architectural decisions affecting the overall performance and reliability of EBS storage infrastructure.
* Written high-quality code using languages like Python, Java etc., relevant to the team’s technology stack.
* Developed backend services, APIs and tools automating ENS fleet management, provisioning and scaling.
* Created tools and automation scripts aiding in monitoring, diagnosing and managing EBS resource health across data centers.
* Implemented self-handling mechanisms for automatics recovery from failures and efficient resource allocation.
* Optimized software components to achieve low-latency access and consistent EBS storage performance.
* Design solutions allowing EBS infrastructure to horizontally scale to handle growing workloads.
* Utilized large-scale data stores and databases to manage metadata, operational data and logs related to EBS fleet operations.
* Developed strategies for effective data replication, ensuring data integrity and adhering to retention policies.
* Enforced security best practices to guarantee data privacy, encryption and alignment with industry regulations.
* Partnered with security teams to identify and mitigate potential vulnerabilities within the EBS infrastructure.
* Builded monitoring and alerting systems providing insights into EBS fleet health and performance.
* Participated in on-call rotations, promptly addressing incidents and troubleshooting to minimize customer impact.

**Environment:** IntelliJ, Git, Java, Python, Amazon CloudWatch, Amazon EC2, Amazon S3, Amazon DynamoDB

**Client: TCS Bangalore, India. May 2019- July 2021  
Role: Java Developer**

**Responsibilities:**

* Debugged and corrected flaws in the coding of a CRM application and applied other optimization techniques to improve performance and data storage capacity.
* Managed and improved the performance and usability of Siebel Tools, Siebel script and Siebel workflows.
* Upgraded the CRM application using Siebel tools and SQL to meet the needs of our clients.
* Used Rest Controller in Spring framework to create RESTful Web services and JSON objects for communication.
* It encompasses both frontend and backend programming. In front-end development JavaScript is used. Backend development is done via Siebel scripting and SQL is used to retrieve and read the data.
* Design, develop and Implement infrastructure solutions for middleware applications by engineering and configuring the IBM WebSphere MQ
* Developed and implemented JavaScript solutions to enhance the functionality and user experience of Siebel application.
* Utilized JavaScript and Siebel Scripting techniques to automate processes, streamline workflows, and improve system efficiency.
* Collaborated with cross-functional teams, including business analysts and system administrators, to ensure the successful deployment and maintenance of applications.
* Source code management is performed using GIT from master repository and knowledge on container management using Docker in creating images.
* Provided technical support and troubleshooting expertise to address issues related to the Siebel CRM application, ensuring uninterrupted business operations.
* Worked on JMS service for multicasting the data among various systems.
* Used Rest Controller in Spring framework to create RESTful Web services and JSON objects for communication Implemented Restful Web Services using Spring Boot.
* Developed server-side application to interact with databases using Spring Boot and Hibernate.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP.
* Changed the oracle-based data source to JBoss based data source.
* Designed GraphQL to build client applications by providing an intuitive and flexible syntax and system for describing their data requirements and interactions.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Developed Web Services for data transfer using Restful Microservices.
* Very good implementation experience of Object-Oriented concepts, Multithreading using Java.
* Experience in AWS Code Commit for deploying projects using Git repositories.
* Used Microservices architecture with Spring Boot based service through REST.
* All the functionality is implemented using Spring IO / Spring Boot, Micro services and Hibernate ORM.

**Environment:** Java, Siebel Tools, JIRA, Siebel Scripting, RESTful services, Spring Boot, Docker, AWS, Agile

**Client: Neon Tech Hyderabad, India May 2018 - April 2019**

**Role: Java Developer**

**Responsibilities:**

* I worked extensively on writing the application using Spring Framework. Used Object Relational Mapping tools for
* ORM such as Hibernate for Data Mapping.
* Designed and developed business components using Spring Boot.
* Implemented Restful Web Services using Spring Boot. Used Angular with JSON Object returned by Spring MVC
* Controller. Developed stored procedures, triggers and used PL/SQL on Oracle database.
* Built Web pages that are more user-interactive using AJAX, JavaScript, and ReactJS.
* Implemented Spring MVC framework for developing J2EE based web application.
* Spring was used for its MVC features, dependency injection, its AOP and its plug-ability with Hibernate.
* Extensively used ORM tools like Entity Framework to exchange data between web applications and database.
* objects. Involved in agile software methodologies using TEST DRIVEN DEVELOPMENT(TDD).
* Implemented the application using the concrete principles laid down by several Java/J2EE Design patterns like
* MVC, Singleton, Data Transfer Object (DTO).
* Hands on Experience on Angular 2 technology for one complete project in rebasing the UI of the application.
* using the techniques in Angular 2.
* Designed, developed, planned, and migrated servers, relational databases (COSMOS DB) and websites to
* Microsoft Azure cloud. Enhanced legacy application by building new components in Angular 2 and typescript.
* Knowledge in configuring Cloud platforms such as VMs, Azure AD, Web Apps, DB’s, Cloud Services, etc.
* Experienced on creating and managing Azure VM, VMware tools, Cloud Services, and Storages.
* Experienced with deployments, maintenance and troubleshooting applications on Azure Cloud.
* Creating and managing Azure Web-Apps and providing the access permission or Authorization to Microsoft
* Accounts. Developed single page applications using Angular 2, Typescript, web pack and grunt.
* Extensively Worked on CSS Background, CSS Positioning, CSS Text, CSS Border, CSS Margin, CSS Sprites, CSS
* Padding, CSS Table, Pseudo Elements &amp; Classes, and CSS Behaviors in CSS.
* Used JIRA to keep track of bugs to reduce downtime, increase productivity, and Communication.

**Environment:** JDBC, Spring, Hibernate, JavaScript, Ajax, jQuery, Web Services, Angular, JUnit, HTML, CSS3, Bootstrap,

Splunk 7.1.0, Application Server, AWS, Core Java, Ant, PL/SQL, RESTful API, JENKINS, GIT, Selenium, Eclipse, Log4J, JIRA,

AWS