Ramprasad Battula

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EDUCATION

California Lutheran University   *Thousand Oaks, CA*
Master of Science in Information Technology   *Aug 2021 - May 2023*

EXPERIENCE

California Lutheran University   *Thousand Oaks, CA,*
Research Assistant – Java/Spring boot   *Feb 2022 - May 2022*

- Efficiently designed and implemented a microservices architecture using Spring Boot and Java, breaking down a monolithic application into smaller, scalable services, leading to improved system flexibility and reduced maintenance overhead.
- Created dynamic and responsive user interfaces using Angular and React, providing a highly interactive and user-friendly experience, resulting in a 30% increase in user engagement and satisfaction.
- Leveraged AWS services, including EC2, S3, RDS, and Lambda, to build a cost-effective and scalable cloud infrastructure, reducing operational costs by 15% and ensuring high availability and reliability.

NEXTera Energy Resources   *Florida, US*
Java full stack developer   *Nov 2022 - Oct 2023*

- Worked as a full-stack developer for a prepaid multi-line upgrade project developing the Application Program Interface (**APIs**) using Java as a language and **Spring** as a Framework.
- Followed **Agile methodology** in the Scrum Cycle model.
- Worked with Microservice architecture using **Spring Boot** to modularize code and implemented Rest APIs using Spring Rest and integrated Swagger API for documentation.
- Developed and customized front-end components using **AngularJS** and **ReactJS** to create dynamic and user-friendly interfaces that enhanced the overall user experience.
- Implemented **AWS** services, including EC2 for scalable compute, S3 for efficient storage, and RDS for database management, ensuring seamless integration with the existing application architecture.
- Dockized the applications using **Docker**. Deployed application into Docker container and Docker consoles for managing the application life cycle on **Kubernetes** deployment manager.
- Created a new cluster and container management tool using Kubernetes for Zero downtime Deployment.
- Design, develop, and maintain test automation frameworks using tools such as **Selenium**, **Appium**, or similar technologies.
- Used spring **JDBC** Template to do **CRUD** operations with Database.
- Extensively worked on Spring REST for creating **REST API** services with Spring Boot to modularize code and used Spring Data to access data from the **MYSQL** database and implemented **Swagger** for dynamic REST API documentation.
- Build real-time applications on **Apache Web servers** using Elasticsearch, Kibana 4.0(ELK), Logstash, and **Splunk**.
- Implemented Splunk dashboards and log management with **ELK** (Logstash serves as data ingestion engine).
- Experience in Spring Security Framework for User Access Management, **JWT** token-based authentication, and involved **OAuth configuration** for authentication and authorization.

Salesforce Inc   *Hyd, India*
Java full stack developer   *Apr 2019 - Aug 2021*

- Developed and maintained web applications using **Java**, **J2EE**, **Spring Boot**, **Hibernate** and **MySQL**.
- Involved in total Software Development Life Cycle (**SDLC**) of the application like Requirement gathering, Design, Analysis, and Code development.
- Used **Redux Framework** architecture (like Reducers, Containers, Saga) for integrating the data with React-Native Application and created and used Reducers that received said Actions to modify Store State Tree.
- Leveraged in-depth knowledge of **AngularJS** to design and develop responsive and interactive front-end components ensuring smooth user interactions and seamless data presentation.
- Implemented **React JS** code to handle cross-browser compatibility issues in Mozilla, IE 7, 8, 9, Safari.
- Handled HTTP Requests using Axios which supports Promise API functionality native to JS **oracle**.
- Developed responsive applications using **Bootstrap.js, Require.js, and Node.js, D3.js** which allowed the same application to be optimized for both mobile and desktop resolutions.
- Created and consumed **RESTful API** using **Express.js** to provide centralized logic and reusable data retrieval built on top of Node.js.
- Implemented **Node.js** router to make cross-domain requests to API services like **GitHub API, MongoDB.**

- Designing and developing **Microservices** using (MERN Stack) MongoDB, Express JS, React JS, and Node Js.
- Used a Microservice architecture, designed and developed RESTFUL web services using **Spring Boot and Apache CXF framework.**
- Deployed Spring Boot-based microservices Docker container using **Amazon EC2** container services.
- Experience in integrating the internal security model into new projects with Spring Batch, Spring Microservices and **Spring Boot, Pivotal Cloud Foundry**, and **Netflix Eureka**.
- Used Amazon Web Services (**AWS**) for promoting code in various Environments.
- Used continuous build using Jenkins and supported the Application for production deployment and post implementation.
- Designed and implemented a robust data access layer using **Hibernate** for a Java enterprise application.
- Enhanced system performance by 20% through **Hibernate** tuning, including optimized queries and efficient caching strategies.
- Involved in integrating API with Amazon EC2 (Elastic Cloud Compute) cloud-based architecture in AWS, also in deploying scripts and creating machine images (AMI).
- Developed back-end interfaces using **SQL** packages, stored procedures, Functions, Procedure, Anonymous SQL programs, Exception Handling in **PL/SQL** programs.
- Developed unit test cases using **Mocha and Chai** as a unit test run to test various React JS components.
- Worked on the **Splunk architecture** and various components (indexer, forwarder, search head, deployment server), Universal and Heavy forwarder.
- Maintained log delivery system by creating producer, consumer, and broker architecture using **Apache Kafka**.

Acuvate   *Hyd, India*
Java developer- Intern   *Mar 2017 - Mar 2019*
- Developed administrative UI using **Backbone.js** and used Backbone.js for heavy DOM manipulations and **AngularJS** for data-driven apps.
- Developed application on **Spring framework** by utilizing its features like Spring Dependency injection, **Spring Beans**, **Spring Security, Spring JPA**, Spring Web flow using MVC.
- Used **Underscore.js** and **Handlebar.js** for templating in most of the code while using Backbone.js as an **MVC** framework and used **JavaScript** frameworks like jQuery.
- Used Backgrid.js which supports **Backbone.js** to render the server-side data and display and worked on CSS preprocessors such as SASS.
- Performed a lot of **DOM** manipulations using native JS and **jQuery** for loading and manipulating dynamic content on webpages.
- Utilized various JavaScript and jQuery libraries, **AJAX** for form validation, and other interactive features.
- Used Hibernate as Persistence framework mapping the ORM objects to tables using Hibernate annotations.
- Developed and consumed **SOAP** Web Services using **JAX-WS** and Apache CXF.
- Used Jersey to consume HTTP-based **RESTful Web Services**.
- Configured EC2 instance and Route53 for DNS hosting on **AWS** for the dev environment and used AJAX framework for server communication and seamless user experience.
- Worked on Proof of Concept for developing applications using **Node Js** and **MongoDB**.

TECHNICAL SKILLS

Programming Languages: Core Java, J2EE, Java EE, C, C++, R, SQL, PL/SQL
Frameworks: Spring Framework, Hibernate, Kafka, SOAP, Spring MVC, Spring, Spring Boot, Microservices Spring Batch, Spring Data, Spring Security, Servlets, Splunk
Web Technologies: HTML5, CSS3, Java Script, REST API, Bootstrap, AngularJS, ReactJS, BackboneJS, AJAX, Node.js, Express.js, JSON, JSP, JWS
Databases: MongoDB, Oracle, DB2, JDBC, NoSQL, Cassandra, PostgreSQL, MySQL
Testing & Integration Tools: Jenkins, Mocha, Chai, Jira, Bitbucket, CVS, Git, ANT, Maven, Gradle
Cloud Platforms: AWS, Azure, Docker, Kubernetes.

ACHIEVEMENTS AND AWARDS

- Achieved Certificate of Excellence from the Salesforce Company for optimizing system performance by 30% through efficient coding practices, application tuning, and leveraging Spring Boot's capabilities for rapid application development and deployment.