

Renuka Srishti

Seattle, WA

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Summary

Analytical Software Development Engineer with hands-on experience designing, developing, and maintaining highly available, distributed, and scalable transactional enterprise systems/software. With a master's degree in Computer Science from Indiana University Bloomington. Skilled in identifying and mitigating reliability failures in the system. Dynamic expert with cross-functional expertise and technical skill set for handling large-scale delivery assignments on various platforms/technologies.

Work Experience

Aurora

Pittsburgh, PA

Software Engineering Intern

May 2022 - Aug 2022

- Developed and deployed smart Priority Queue in the data ingestion pipelines using RabbitMQ to process critical data before low-priority data.
- Researched and authored AWS Terraform scripts for IAM, Lambda, Amazon MQ, VPC, DynamoDB, and SQS to design cloud infrastructure for building the priority queue.

Technical Skills: Golang, AWS lambda, RabbitMQ, Amazon MQ, IAM, DynamoDB, SQS, VPC, Terraform, Spinnaker, Git.

Persistent Systems

Pune, India

Lead Developer

June 2018 - Dec 2020

- Created Talend pipeline to fetch data from numerous sources using SOAP and REST APIs to build an EDL on Apache Hadoop, supporting more than 10 teams in planning business models.
- Developed and implemented an automation tool for migrating Cognos reports to the client's in-house reporting tool.
- Boosted aggregated Elasticsearch's search relevance score from 80% to 92% on Click-through Rate, Mean Reciprocal Rank, and Normalized Discounted Cumulative Gain.
- Created project plans and timelines, communicated with stakeholders about progress, meeting project timelines.

Technical Skills: Java, Python, Spring Boot, Hadoop, REST APIs, JUnit, Mockito, Talend, Elasticsearch, Apache Spark, Docker, Kubernetes, PostgreSQL, Git.

HotWax Systems

Indore, India

Senior Software Engineer

Oct 2015 - May 2018

- Created an E-commerce website by using the Apache OFBiz framework. Determined operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.
- Mentored five new employees by planning and delivering orientation and training sessions.
- Optimized enterprise web application by implementing key features such as schema design, relevance searching, faceting, highlighting, suggester, spell checking, tokenizers, and analytic component.
- Achieved high availability and scalability by executing SolrCloud using an external zookeeper ensemble for distributed indexing.
- Documented and demonstrated solutions by developing, flowcharts, layouts, diagrams, charts, code comments, and clear code.

Technical Skills: Java, Spring MVC, MongoDB, Oracle, Apache OFBiz, TypeScript, Docker, Apache Solr, Apache ZooKeeper, Apache SolrCloud, Jenkins, JUnit, Mockito, Git.

Skills

Programming Java, Python, TypeScript, Golang

Frameworks Spring MVC, Spring Boot, Angular, Apache OFBiz, Vue.js, JUnit, Mockito.

Databases MongoDB, PostgreSQL, MS SQL Server, Oracle, MySQL.

Technologies AWS, Lambda, Amazon MQ, VPC, DynamoDB, SQS, GCP, Cloud Functions, Bucket, Pub/Sub, RabbitMQ, Docker, Kubernetes.

Tools Elasticsearch, Apache Kafka, Apache Spark, Apache Solr, Apache Hadoop, Apache ZooKeeper, Apache SolrCloud, Talend, Jenkins, Terraform, Spinnaker, Git

Education

Indiana University Bloomington

3.87/4.0

Master of Computer Science

Jan 2021 - Dec 2022

- **Relevant Courses:** Applied Distributed Systems, Cloud Computing, Applied Algorithms, Software Engineering, Advanced Database Concepts

Oriental College of Technology

7.94/10.0

Bachelor of Computer Science

Aug 2011 - June 2015