

SENIOR SOFTWARE ENGINEER

Professional Summary

- Over **4 years** of industry experience with proven expertise in system development activities including requirement analysis, design, coding and testing with emphasis on micro service architecture.
- Extensive experience in developing **RESTful web services** using **Java, Spring Boot, Eureka, Zuul, Ribbon, RabbitMQ and Elasticsearch.**
- Strong command in **Object Oriented Programming (OOP), and Object Oriented Analysis and Design (OOAD).**
- Proven expertise with configuration management tool **Puppet** .
- Comprehensive understanding and hands on experience with relational database like **MySQL** and NoSQL database like **Elasticsearch.**
- Proven expertise in using **VMware vSphere, VCenter, VMotion and ovftool** .
- Good knowledge of **CICD** concepts and hands on experience with **Maven , Jenkins.**
- Proficient in writing **JUnit** tests to ensure code quality.
- Hands on experience with using code quality tools like **SonarQube.**
- Proven knowledge of **Linux, Networking and bash scripting.**
- Good knowledge of **Hadoop MapReduce, Spark, Storm** .
- Good understanding of **Docker, Kubernetes.**
- Complete understanding of **Agile** software development methodologies.
- Hands on experience with bug reporting, tracking and software management tools like **Bugzilla , JIRA**
- Hands on experience with version control systems like **Git, Perforce**
- A Motivated self-starter with exceptional team building, strong leadership and interpersonal skills.

Skills

- **Programming Languages:** Java, Python, HTML5, CSS, JavaScript, Bash.
- **Frameworks:** Spring, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix), Hadoop, JUnit.
- **Database:** MySQL, ElasticSearch.
- **Operating Systems :** Linux, Windows, OSX, SLES.
- **Tools:** Puppet, Jenkins, Maven, JIRA, VersionOne, VMware vSphere, Eclipse, Docker, Kubernetes.
- **Version Control:** Git, Perforce

Work History

Senior Software Engineer , 03/2016 to Current
Precisely – New York City , NY

- Develop micro services using spring boot which interacts through a combination of **REST** and **RabbitMQ** message broker.
- Configure and use **Netflix OSS** (Eureka, Zuul, Ribbon, Hystrix) to manage and load balance the input requests among the micro services.
- Use **puppet** to install, configure and upgrade the product.
- Design, document and implement **REST API's** to facilitate several functionalities from the UI.
- Use **log4j** to configure logging of the micro services.
- Use Git, BitBucket, Jenkins, Maven, VMware vSphere suit for product development.
- Use **JUnit** to perform unit testing and ensure code quality.
- Use **SonarQube** to ensure code quality and minimize security vulnerabilities.
- Create detailed architecture and design documents for the required features.
- Coordinate discussions between different technical teams to design and implement required functionality.
- Use **Agile** development process in order to keep up with the fast changing requirements and participate in regular scrum meetings to define work and report on progress.
- Interacts cross functionally on matters that require coordination across functional/organizational lines.

Environment

Java, Spring Boot, Puppet, Netflix OSS(Spring cloud), Bash, Packer, ESXi, VCenter, OVFTool, Jenkins, Maven, SLES , JSON, REST, RabbitMQ, Elasticsearch, Git, BitBucket, JIRA.

Student Software Developer , 02/2015 to 12/2015
University Of Kentucky – Lexington , KY

- Developed REST web services using Java and Spring Boot to automate data access and computational processes for agricultural and environmental modeling.
- Write JUnit test cases in order to ensure code quality.
- Collaborated on all stages of systems development lifecycle, from requirements gathering to production releases.
- Designed, implemented and monitored web pages and sites for continuous improvement.

Environment:

Java, PostgreSQL, JUnit, HTML5, CSS, JavaScript, Git.

Global Technologies Intern , 06/2015 to 08/2015
Staples – City , STATE

- Migrated data from IBM InfoSphere to STEP MDM tool.
- Developed REST web services using Java and Spring Boot to automate the process of aged files delete/archive based on the user requirements.
- Designed, implemented and monitored web pages and sites for continuous improvement.
- Write JUnit unit test cases to ensure code quality.

Environment:

Java, Spring, JUnit, HTML5, CSS, JavaScript, Perforce, VersionOne, MySQL.

Education

Master of Science : Computer Science Colorado State University - City , State

GPA: 3.60/4.0

CourseWork : Analysis of Algorithms, Computer Networks, Big Data, Distributed Computing, Machine Learning.

Bachelor of Technology : Computer Science and Engineering Jawaharlal Nehru Technological University - City , State

GPA: 3.80/4.0

CourseWork: Operating Systems, Design Patterns, Design and Analysis of Algorithms. Database Management.

Certifications

SAFe® 4 Certified Scrum Master

Accomplishments

- **Routing Packets within a Structured Peer-to-Peer (P2P) Network Overlay** - Distributed Systems: Built a simplified Distributed Hash Table that uses information about a small subset (log N) of peers within the system to make local decisions that ensure efficient routing of messages. This effort included development of wire formats for several control and data plane messages to construct routing tables and route content using Java.
- **Distributed Content Harvesting using Thread Pools** - Distributed Systems: Developed a distributed content harvester that uses thread-pools to retrieve and parse web content using Java.
- **Computation of similar set of Books-Big Data:** Developed Map-Reduce programs on Amazon EC2 cluster in order to find the similar set of books among the 6000 corpus books dataset using the metric Euclidian distance.
- **United States Census Data Analysis Using Map Reduce:** Developed a Map Reduce program that parsed and processed the 1990 US Census dataset to support knowledge extraction over demographic data from all fifty states.
- **Estimating PageRank Values of Wikipedia Articles - Big Data :** Developed a Map Reduce program that parsed Wikipedia dump of 50GB and calculated PageRank for the pages using Idealized page Rank and taxation-based page Rank algorithms.
- **Live Twitter Message Streams Analysis - Big Data:** Implemented Lossy counting algorithm to detect frequently occurring hashtags from live twitter message streams using Apache Storm and Twitter4j API.

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