JASWANTH KARANGULA

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EDUCATION

Masters in Software Engineering, San Jose State University   Expected May 2024
Relevant Coursework: Data Mining, Cloud Computing, Quality Assurance (QA) and Testing.

Bachelor of Computer Science, SASTRA University   July 2017 - May 2021
Relevant Coursework: Database Management Systems, Data Structures, Object Oriented Programming, Operating Systems, Java, C++, Algorithms, Parallel and Distributed Systems.

EXPERIENCE

Software Engineer (Back End Engineer)   Dec 2021 - May 2022
Junglee Games   *Bengaluru, India*

- Integrated a new SMS provider with communication service helps the Marketing team run sms campaigns during IPL at 25% reduced cost using **Java, SpringBoot, Kafka and MongoDB,PostgreSQL**.
- Designed and Developed, 4 APIs return a random winning team for Kabaddi based on player selection percentage, min and max rules for playing style and number of players per team.
- Implemented a method for user payment withdrawal request authorization using Spring boot and **Redis**.
- Maintained quality of code by adding more Unit tests with **Junit** and **Mockito** and end-to-end testing Micro-services.

Backend Teaching Assistant (Part-Time)   Oct 2021 – Apr 2022
Crio.Do   *Bengaluru, India*

- Mentored a cohort of 50+ including students & working professionals learning backend software development.
- Resolved learners' queries/doubts, taking 3+ Q & A sessions every week to resolve doubts in modules and proofreading/reviewing new curriculum.

Software Engineer Intern   Feb 2021 - Apr 2021
ZOHO Corporation   *Chennai, India*

- Developed Server pages with Java, Servlets and JDBC to connect pages with backend.
- Implemented backend API's for social media based applications with Java and MySql.
- Performed unit testing with Junit, wrote 20+ tests to test results obtained from queries made on database.

SKILLS

Programming Languages	C++, Java, JavaScript, Python, MySQL, MongoDB.
Technologies/Framework	HTML, CSS, JDBC, Jackson, JUnit, Mockito, REST, Redis, Spring Boot, Kafka, Docker, Amazon Web Services , GCP, Node.js, Scrum.
Tools	Git, Gradle, JMeter, Bitbucket.

PROJECTS

QEats   Back-End For Food Ordering App

- **Skills : Java, RESTful Architecture, Junit,Mockito, Spring Boot, MongoDB, Redis, RabbitMQ, Linux**
- Built 10+ REST API's and added search support to map a list of restaurants to specific user requirements.
- Addressed challenge of retrieving repeated restaurants data from MongoDB quickly with Redis cache.
- Designed 7+ MongoDB queries to search for restaurants by attributes - name, cuisine and dish.
- Boosted app performance by 1.5 times using multithreading to run parallel search queries.
- Developed and Programmed a script to load restaurants data to MongoDB.
- Implemented post order actions, placing email, assigning delivery agent Asynchronously with RabbitMQ.

QMoney   Visual Stock Portfolio Analyzer

- **Skills : Java, RESTful web services, Jackson, MultiThreading, Junit, Mockito**
- Implemented core logic of portfolio manager application, helps managers make recommendations to clients.
- Improved application availability adding 2 stock quote services and refactored code with Factory pattern.
- Boosted application performance by multithreading to run multiple API requests in parallel, improving speed by 30% .