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Sagar Mangulkar

Contact Information

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LeetCode: leetcode.com/mangulkar

Technical Skills

Languages:

Proficiency in C#, Java, Python, Bash Script, Shell Script

Intermediate proficiency in C, C++, JavaScript, Objective-C, Swift, PHP, Golang, Haskell, Erlang

Database:

Familiarity with SQL/PLSQL (MySQL, Oracle, MS SQL Server)

Experience with NoSQL databases (Redis, DynamoDB)

Tools:

Proficiency in Visual Studio, IntelliJ IDEA, Jenkins, Vim, Maven, Ant, Git

Familiarity with Informatica, SSIS, SAP-BO, Splunk, Elasticsearch

Concepts:

Understanding of OOPS, RESTful API, Multithreading, Streams, RPC, Functional Programming, SaaS, SOAP, ETL, BI, Data Warehousing, DNS

Frameworks:

Familiarity with .NET Windows client application development, WPF, ASP.NET, J2EE Spring MVC, Hibernate, ODBC, JDBC, JMS, Mockito, JUnit, JSP

Experience

Senior Software Engineer - Build and Release, Secury, Inc. (United States) | Jan 2019 - Present

Designed and implemented release pipeline using Jenkins, Docker, and CloudFormation

Developed C# components to support the delivery of high-quality software products to customers

Utilized agile development processes and object-oriented design principles to build and maintain modular systems

Collaborated with cross-functional teams to ensure seamless integration of software components

Demonstrated expertise in software engineering best practices, including design patterns and modeling languages

Java Developer, Iris Software, Inc. (United States) | Oct 2018 - Dec 2018

Developed backend system in Java, Oracle, and EAP 2.0 to contribute to the implementation of CECL (Current Expected Credit Loss) regulations

Built REST API using J2EE Spring MVC framework to route client's report generation requests to the centralized report generation tool

Used JMS (Java Messaging Service) to communicate with another application

Interacted with database tables through Hibernate

Software Development Engineer Intern, Amazon (United States) | May 2017 - Aug 2017

Developed internal automation system in Java & DynamoDB to assign XML configurations & retrieve data dynamically

Developed REST API call services (CRUD) using J2EE Spring MVC framework on web scalable EC2 AWS cloud computing platform

Designed transactional locking mechanism in DynamoDB for concurrency control in multithreaded distributed architecture

Wrote Unit tests using JUnit & Mockito frameworks and performed Integration testing in CI & CD environment using Jenkins

Senior Software Engineer, Infosys (India) | Sep 2013 - Jul 2016

Developed distributed web application for Medical Representative in Java Spring with concurrency control for low latency requirement

Built REST API call services using Spring MVC, JSP, & Hibernate

Designed and developed complete database (92 procedures and 42 normalized tables) & its schemas individually in Oracle 11g from scratch

Worked on ET, Informatica, SSIS, query optimization, Data-Warehousing, SAP-BusinessObjects reporting with Oracle & MS-SQL Server

Software Developer, JMK Infosoft (India) | Jul 2012 - Feb 2013

Built new functionalities in web application of government certification registration

Worked in Java, JavaScript, PHP, CSS3, HTML

Education

Master of Science (MS) in Computer Science, State University of New York at Binghamton - SUNY (May 2018)

Post Grad Diploma (PGD) in Advanced Computing Centre for Development of Advanced Computing (CDAC), IACSD Pune (Aug 2013)

Bachelor of Engineering (BE), Marathwada Institute of Technology, Aurangabad (May 2012)

Projects

Movie Review Analyzer: Java, Oracle 11g

Developed basic Elasticsearch/Lucene engine using Java & Oracle11g for searching required movie review with analyzing movie rating

Backend data structure includes term dictionary with its frequency, document-list, posting-files

Used stemming & offsets for accuracy

Bank Transaction System: Java, Protobuf

Developed Distributed System in Java & Protobuf RPC using single TCP/IP connection with low latency and high Concurrency

Implemented Chandy-Lamport snapshot algorithm (asynchronous) to record consistent global states of transactions & balance

Student Registration System: Java, Oracle 12c

Developed project which manages course registration & class schedule by validating credits, prerequisite courses & class limit

Implemented efficient Stored Procedures, Triggers, complex SQL queries with Joins & Subqueries

Used JDBC for connectivity

Competency Evaluation System: Java, JavaScript, PHP, Ajax, jQuery, Oracle11g

Developed online exam system to check employee performance

Mapped Java Beans to Oracle11g database by Hibernate

Built Admin, Expert & Employee modules with different access levels

iOS Mobile Games: Objective-C, Swift

Developed seven iOS mobile games in Objective-C and Swift in XCode

Worked on View Controllers, UIKit, AVFoundation, iOS Timers

Strong hold on core frameworks like Core Graphics, Core Animation, UIKit

Processed images & GIF for better experience

Developed applications with Adaptive User Interface using Auto Layout Constraints to support multiple screen sizes