Madhankumar P S

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10+ years of experience in the Software life cycle design (SDLC) process including requirement Analysis, Design, Development, Test Automation and, maintenance in Java/J2EE web technologies. Skillful in designing customized solutions for meeting non-functional requirements like Scalability and Performance. Experience in working for projects with TDD (Test Driven Development), BDD (Behavior Driven Development), API development, Messaging queue and, distributed caches.

TECHNICAL PROFICIENCY

• Java, J2EE	• Spring Boot	• Oracle, Hana	• Kubernetes
• Spring framework, Hibernate	• SOA	• Docker (Containerization)	• Cucumber
• Rest & OData API	• Selenium	• AJAX	• Kafka, Redis

PROFESSIONAL EXPERIENCE

SAP SuccessFactors, Senior Software Engineer, Palo Alto, CA & Waldorf, Germany   March 2014 – Present
Responsible for requirement analysis, design, develop & automation of SuccessFactors Core HR utilized by 3000+ customers.
- Focus on end-to-end ownership, handling design, implementation, unit test, automation and, component delivery pipeline
- Migrated huge data model from server cache to distributed cache (Redis) with refactoring models for efficient network transfer
- Designed and developed OData and Rest API for integrations and used messaging queue (Kafka) for inter-module PubSub model
- Stabilized the product to guardrail the configurations that lead to application server bottlenecks, handled performance stabilization
- Architecture backend test automation using propriety framework, resulting test case execution from several minutes to few seconds
- Led team of five members and mentored them in achieving project timelines and help them to produce quality code-based standards
- Used Test-driven development (TDD) and Agile practices to provide reliable and testable code
  Development tools and environment: Java/J2EE, Ajax, Hibernate, Spring Framework, Spring Boot, SQL, Postman, Mockito, Cucumber, Tomcat, GitHub, HANA, Oracle, Selenium, Splunk, JIRA, Testlink, Chrome Developer Tools & SuccessFactors propriety QRAY framework.

Tech Mahindra, Developer, San Ramon, CA   April 2011 - February 2014
Responsible for requirement analysis, design, develop, migrate & performance test the P2P product "SAP Ariba" for Major Oil and Gas company spends 40 billion through direct and indirect spending on Ariba.
- Part of data migration team that involved extracting and importing millions of various Ariba transactional objects
- Designed and implemented custom extractions and importing into new object models (with most of the complexities like field type changes, field name changes, converting raw files to blobs, associating backward and forward object references)
- Perfected the speed of extract and import using multi-threading and multi-servers
- The migration objects involved Contract (Contract Workspace, Contract & Contract Request), Requisition, Purchase Order & Invoices
- Architecture the complex task to handle accumulation of commitments, approvals, orders & actuals on different downstream objects
  Development tools and environment: Java/J2EE, Ariba, Hibernate, Spring Framework, SQL, Postman, Junit, Weblogic, SVN, Oracle

Tech Mahindra, Developer, Chennai, India   April 2009 - March 2011
- Identified different memory leakages and performance fixes, that improved application performance by 22%
- Designed, developed, customized Ariba eForms, AML extensions for many different business requirements
- Developed monitoring system to handle critical exceptions with notification and automatic handling of application restarts
- Implemented Integration Events, Scheduled Tasks, handled customer defects and maintenances of the product

Tech Mahindra, Performance Engineer, San Ramon, CA   May 2007 - March 2009
- Handled performance testing using load runner scripts with error handling, Dynamic correlation, Parameterization and Optimization
- Developed LR scripts for Ariba Requisitions, Invoices, & Searches
- Analyzed Transaction Response times, Query Performances (using Confio Ignite), Worker Threads & memory usages
- Few projects that heavily utilized performance testing, (like, Date-Based Pricing, AltaVista Capacity, Database upgrades

Tech Mahindra, Associate Software Engineer, Chennai, India   July 2005 - April 2007
- Contributed to functional and automation testing of enhancements, new features and, bug fixes
- Handled end-to-end technical support issues for most of Ariba module (Buyer, Contracts, custom eforms & Analytics)
- Developed various JavaScript's & Pl/SQL scripts to fix transactional data issues
- Exposure to ERP SAP R/3 Materials Management.

EDUCATION

Bachelor of Engineering – Information Technology | Anna University