Pavan Kumar

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Objective

Experienced and academically sound software developer looking to leverage the background in building Java applications into a more challenging position through which I can make stronger contribution to organizational and team goals

Skills & Abilities

- Experience in server side and client-side development
- Experience working in quarterly release cycles and continuous delivery (CI)
- Experience in Agile scrum and waterfall software development methodologies
- Collaboration experience in sprint planning and project (high level and story points) estimations
- Experience in mentoring and reviewing offshore code
- Experience in Test Driven Development (TDD) and Behavior Driven Development (BDD)
- Experience in writing and executing unit, integration and automated end-to-end test cases
- Experience in consuming and producing RESTful web services (XML and JSON)
- Programming knowledge in C, C++, Unix
- Good knowledge of design patterns in Java and J2EE
- Hands-on experience in Performance Testing, Benchmarking, RAID Levels, Cache Architecture in SAN
- Experience in preparing Knowledge Transfer documents and process maps

TOOLS and TECHNOLOGIES

Frameworks	:	Spring, spring-boot, hibernate, Junit, cucumber, jasmine, jersey, angularJs, express.js, node.js, protractor
JEE technologies	:	Servlet, JSP, JSF, JDBC
Web/application Servers	:	Apache (httpd), tomcat, VMWare vFabric/pivotal tc server
Database	:	IBM DB2 client, IBM data studio, navicat, MySQL workbench
Build/integration tools	:	Maven, grunt, jenkins, bamboo
Version control tools	:	Tortoise SVN, git, bit bucket, nexus
Code quality tools	:	Sonar, JSLint
Analytics/reporting tools	:	IBM interact, tealeaf
Cloud technologies	:	Pivotal cloud foundry, EC2, S3, dynamoDB, Elastic beanstalk

CERTIFICATION AND TRAINING

- Amazon Web Service (AWS) certified developer associate from AWS
- Amazon Web Services (AWS) technical essentials from Simplilearn
- Test Driven Development (TDD) from Vanguard University

Education

MASTER OF SCIENCE | WICHITA STATE UNIVERSITY, WICHITA | CGPA : 3.93/4   **MAY 2015**
· Major: Computer Science

BACHELOR OF ENGINEERING | BMS COLLEGE OF ENGINEERING, BANGALORE | CGPA : 8.81/10   **MAY 2013**
· Major: Computer Science

Experience

VANGUARD (ImpetusIt), MALVERN PA   **JUNE 2015 - PRESENT**
JAVA DEVELOPER
RETAIL SYSTEMS

Project : The developed web applications allows investment advisors to give projections to the customers who are wishing to invest their money in securities for wealth management and retirement planning. It also allows the customer/financial advisors to manage accounts, view positions, transactions, realized/unrealized gain/losses and performance

- Worked on 7 projects : aggregation of outside investment, portfolio management, secondary owner/spouse enrollment, web experience for secondary owner/trustees, advise experiments, secure overview and accounts microservice
- Developing/consuming web services internally and from outside vendors like yodlee and interact
- Developing microservices by using modular architecture with Spring boot, gemfire
- Providing production and non-prod support for applications owned by the team
- Using Spring IOC Dependency Injection to wire object dependencies across the application
- Writing blobbers which is being mapped to the database fields through Service Request API, for persistence
- Consuming the stored procedures with Spring jdbc to retrieve and update data in DB2
- Consuming information from IBM JMS queue for some applications
- Utilizing design patterns like singleton, factory, DAO, builder, service locator, façade etc
- Designing and developing existing web pages using JSF, XHTML, CSS and javascript
- Working on next generation ui architecture using nodejs, expressjs, angular for new web pages
- Using falcor with axios/requestjs to fetch response from rest end-points
- Performing manual, automated, explorative, regression, mutation, unit and integration tests for mid-tier and ui

NETAPP, WICHITA KS   **MAY 2014 - MAY 2015**
PERFORMANCE CONTRACTOR
PERFORMANCE AND BENCHMARKING

Project : As a last line of defense, our responsibility was to not only to catch and report the performance issues, but also work closely with the developers to fix them. The test cases had to be designed and developed according to the firmware, disks capacity, server, cache and other considerations. If the performance results reached the industry-level benchmark, they were used to market the products

- Conducted root-cause analysis for performance degradation in controller firmware builds by running continuous performance verification (PCV) tests
- Automated tests-suite using Action Word Script (AWS), batch script, Java
- Performed regression (like Fail-Drive, IAF, Reconstruction), acceptance and SPC tests
- Analyzed the Benchmark numbers to verify if the controller platform is meeting the performance targets

NATIONAL INSTITUTE FOR AVIATION RESEARCH, WICHITA KS   **DECEMBER 2013 – MAY 2014**
GRADUATE RESEARCH ASSISTANT
COMPOSITES MANAGEMENT

Project : NIAR, being one of the sole certifying authority of composite materials for several aerospace industries like Bombardier, Boeing, Cessna, maintained a database for storing observations and composite parameters records. This data was used to perform analysis and certify the materials

- Managed and maintained NIAR composites database
- Created charts and updated the database
- Wrote macros for doing data analysis

Available to start from : April 2018