Shravan Mali

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Application Architect

A well-rounded project lead with over 20 years of experience developing and implementing intricate system designs.

An accomplished, well-respected technical professional with notable expertise spearheading complex projects and system implementations for various high-value clients. Well-versed in overseeing all phases of the project from requirements gathering and analysis, assessing project feasibility, allocating resources, developing project plans, assigning tasks, and building the criteria for milestones and final deliverables. A highly-skilled programmer and software developer, with the ability to assess current environments and determine the proper set up for implementing and integrating a new system or software package, ensuring compatibility with legacy systems, and minimal impact to day-to-day operations and productivity. An adept leader and mentor with a keen ability to identify strengths and providing training and professional development opportunities to encourage growth, transfer knowledge, and develop techniques to ensure on time completion of all projects, adhering to strict quality standards and budget constraints.

Core Competencies:

- Full Life Cycle Project Management
- Systems Launch / Implementation
- Application Designing / Architecting
- Quality Assurance and Testing
- Client Relationship Management
- Server Optimization
- Problem Resolution / Troubleshooting
- Cross-Team Collaboration

Professional Experience

HCL Global Systems 2011-Present

Application Architect - Software Design/Development | State of Michigan, Lansing, MI | August 2011 – Present

Technical Proficiencies: Java EE 5, JDK 8(Java 8), HTML, XML, ANT, jQuery, Struts 1.3, JavaScript, TypeScript, JSP, JDBC, Clear Case, Oracle 12c, RAD 9.6, Intellij, Angular 8, Weblogic 12c, Azure Devops, WebSphere 9 and Windows 10, Maven 3.0, Spring Boot.2. x, Redis, H2, Elasticsearch, Logstash and Kibana.

Role:

- Led cross-functional teams (developers and testers) responsible for the Intake, Investigation, Case, and Service Provision modules through preparation for a pilot implementation in a Michigan county.
- Ensured code quality and application integrity by conducting periodic code reviews and validating test case execution.
- Design class diagrams, sequence diagrams, UCR diagrams, and flow diagrams using Lucid Chart and Visio. Subject Matter Expert in web development and supporting the Web practice.
- Implemented Inbox and Outbox design patterns to ensure reliable, asynchronous processing and data transfer of ADA orders to Dynamics 365.

Key Projects:

- **S.I.P.S & Online Liquor Ordering System | August 2018 – Present:** Department of Licensing and Regulatory Affairs started on this project in 2018. It is a suite of multiple modules of Sales, Inventory, and Purchasing of Liquor at the State of Michigan. This application can take and store orders placed by the licensees and assist the distributors in searching and tracking their respective orders. Used Angular 8 for the user interface and Spring Boot for API Framework to make RESTful calls and JPA to interact with the Oracle Database. Developed a framework using Spring Batch to load the product changes from E-Quote source system to the MILO application. I created an automation testing framework using Selenium to test the AIMS (licensing application).

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- **MiSACWIS (Michigan State Automated Child Welfare Information System) |Aug. 2011 - Jan.2014 & July 2014– July 2018:** The state initiated a project to implement a SACWIS, the system is expected to be a comprehensive automated case management tool that meets the needs of all staff (including social workers and their supervisors, whether employed by the State, county, or contracted private providers) involved in foster care and adoptions assistance case management. SACWIS funding is available for development, implementation, and operational costs.
- Deliver the Intake, Investigation, Case Management, and Service Provision modules including testing, development, and UAT.

J2EE Consultant | California Casualty Management Company, Glendale, AZ | February-June, 2014

Technical Proficiencies: Java EE 5, JDK 8, HTML, XML, jQuery, JSP, Liferay Portal 6.1, Tomcat 7.1, Maven 3.0, Spring 3.0, jQuery, Mongo DB, DB2, JDK 1.7, SVN, RallyDev, Liferay Developer studio and Windows 7.

Key Project:

- **Quote Portal:** Quote portal is an online portal solution for the employees of the company to create quote and issue a policy for Auto, Home, and Boat owners. Developed the Quote portal using jQuery, Liferay Portal, and jQuery plugins, to enhance users' experience with a GUI-rich interface and business tool. Gathered and analyzed business requirements to develop screens and dashboards according to users' stories. Designed helper classes and controllers to interact with MongoDB for storing the data with respect to the users and CDA Services for storing the data in DB2. Developed module specific jQuery Java Scripts for UI and business validations.

QUALITY CORE SYSTEMS — Hyderabad, India

J2EE Consultant | California Casualty Management Company, Phoenix, AZ | Jan 2010 – July 2011

Technologies: Java EE 5, JDK 6, JSF1.2,Spring, Spring Webflow, JPA, HTML, XML, Maven, JavaScript, SVN, Tomcat 6.0 and Windows XP, JUnit, JDBC, SVN, DB2, SQL SEVER 2008, Apache POI

Key Projects:

- **S.T.E.P. (Support Table editor Program):** S.T.E.P is useful tool for managing the data of the support tables. This tool tracks user information, date and time while executing the batch operations. The tool also facilitates viewing reports for the operations performed on the support tables. The user can also view the commands that were executed on the tables and batches. This tool provides facility to export support table's data to spreadsheet and also import the data from the spreadsheet.

- **Quote Compare Tool:** This tool is used for the comparison of the new quote created with the quotes created by the legacy system and also to generate a comparison report. Built the Quote Compare Tool using the Java platform and the application client interface with HTML. Performed integrated testing and developed bug fixes for identified system issues.

- **ATLAS:** ATLAS is a web-based solution to provide home and automobile owners to create quote and insurance policy online. Designed and executed test automation scripts using Sahi Framework. Performed multiple testing modules including Functional, Smoke, Integration, Regression, and used JMeter to finalize performance testing. Analyzed various reports and graphs to identify defects using JIRA, and conducted manual tests to pin point root causes and develop technical solutions when needed.

- **ExpenseFlow:** ExpenseFlow is a web based expense management system which will allows organizations to track employee expenses using multiple expense types and customizable tax and rate fields. Developed ExpenseFlow using Java EE 5 and designed the interfaces and code development using MyEclipseIDE. Interacted with third-party services

with Restful web services and created the user interface (UI) with RichFaces for JSF, JSF, Tomahawk components for JSF and Spring Framework.

QUANTUM INFOTECH

J2EE Developer | Germania Insurance, Brenham, TX | October 2008 – December 2009

Technologies JDK 1.4, Struts 1.2, HTML, XML, JavaScript, JSP, Servlets, JUnit, Prototype v1.5, Maven, ANT, Active Widgets v2.0, Script.Aculo.us v1.6.5, Spring, Hibernate, JDBC, Clear Case, Eclipse3.1, Oracle 10g, DB2, Weblogic 8.0 and Windows XP.

Key Project:

- **Germania Connect (GWP):** GWP is a web application that is used by the agents of Germania Insurance. This product is used to simplify agent's process of maintaining their policies, clients, etc. which offers various products including life insurance, Home Insurance, Farm Insurance, and Auto Insurance. This project involved the development of a Web-based application. The employees access complete customer account information, process insurance claims and authorize claims of the customers. The application generates free quotes for the customers depending on the type of insurance plan selected after processing their personal information and facilitates payment operations and processing for customers to pay premiums online.

- Used Net Advantage components for JSF by Infragistics, JSF, and Tomahawk Components for JSF to develop and design the GWP. Created the application client interface using JavaScript, HTML, XML, AJAX, and JSP. Implemented the Service Locator, DAO, and Session Façade Design patterns, and used Junit to perform unit testing. Employed RAD for code development and MKS for source code management.

WELLS FARGO INDIA SOLUTIONS — Hyderabad, India

J2EE Developer | Jan-May 2008

Technologies JDK 1.4, Struts 1.2, HTML, XML, JavaScript, JSP, Servlets, JUnit, Prototype v1.5, Maven, ANT, Active Widgets v2.0, Script.Aculo.us v1.6.5, Spring, Hibernate, JDBC, Clear Case, Eclipse3.1, Oracle 10g, DB2, Weblogic 8.0 and Windows XP.

Key Project:

- **WFIS Commercial Electronic Office Workstation (CEO WS):** CEO WorkStation or Treasury WorkStation fits into Wells Fargo's Liquidity Management suite of applications that falls under Treasury Management line of business.

- Utilized Struts and Spring to develop the CEO WS and designed the client application interface using HTML, JavaScript, AJAX, XML, and JSP. Created SQL stored procedures and function and used JDBC to process database calls for DB2/AS400 and SQL Server Databases. Built helper classes and data sources to aid interfaces in accessing and manipulating data. Facilitated integrated testing, bug fixes, and ongoing production support.

ADP- AUTOMATIC DATA PROCESSING, INC— Hyderabad, India

J2EE Developer | June 2006 – December 2008

Technologies: Java1.5, Java Script, HTML, XML, Microsoft Visio, JSP, JSF, Servlets, JNDI, JDBC, MySql, ANT, Eclipse 3.1, SQL, MySql, Tomcat 5, Windows NT.

Developed multiple User interfaces for various applications using AJAX and JSP technologies. Designed application interactions with databases using Tomcat Connection pooling and developed backend interactions with Hibernate and Spring. Deployed applications and ensured compatibility with WINDOWS, SOLARIS, and RED HAT operating systems.

Key Projects:

- **ADP- W2Services:** W2Services is a web based application which is used by the clients (Non Payroll Processing) of ADP for viewing there W2s and 1099 forms online. Developed the W2Services using JSF and the database interactions with XML-based framework. Developed the user interface (UI) layouts using Tiles with JSF Framework, and used JDBC to process database calls for Oracle database.

- **ADP- Dashboard:** Dashboard is an internal monitoring tool used by ADP to monitor the tasks and their respective efforts. The tool is also capable to generate the Monthly Status Report (MSR) for managerial purposes. Developed the dashboard using JSF 1.2, Spring, and JPA, and designed the application layouts using Facelets. Utilized Hibernate and JPA to manage database interactions. Designed use case diagrams, class diagrams, and sequence diagrams using Rational Rose.

Shravan Mali

- **ADP- Developer Forum:** Developer Forum developed using Apache Lenya - Open Source Content Management (Java/XML). Referenced the ADP UI guidelines using XHTML to customize Lenya. Employed Lucene indexing to search in Lenya and developed the workflow according to clients' requirements.

- **IReports:** The iReports system is intended to allow ADP customer's administrative staff to view, download, and print their processing output documents over the public network using a secure, encrypted connection. Utilized JSF to develop the IReports Framework, and designed the application client interface using AJAX and JSP. Presented XML data using XSLT, and finalized designs on the Reports list page and the associated subpages.

SOLIX TECHNOLOGIES, SUNNYVALE, CA— Hyderabad, India

J2EE Developer | October 2004 – June 2006

Technologies: Java1.4, Java Script, HTML, XML, Rational Rose, Microsoft Visio, JSP, Servlets, JNDI, JDBC, Struts, Spring, HIBERNATE, LUCENE, MySql, ANT, Eclipse 3.1, SQL, Oracle8i, Tomcat 5, JBOSS, Windows NT.

Developed multiple User interfaces for various applications using AJAX and JSP technologies. Designed application interactions with databases using Tomcat Connection pooling. Deployed applications and ensured compatibility with WINDOWS, SOLARIS, and RED HAT operating systems and administered the application on JBoss and Tomcat application servers.

Key Projects:

- **Eureka - Configurable Job board:** Eureka is a job board framework that can be customized to meet the unique requirements of any association or corporation. Developed the application platform for Eureka.
- **Hotlist - Exchange Hot list:** HOTLIST is a feature-rich solution that allows vendor administrators to maintain a single repository for all their candidates. The candidates can be made active and available with the click of a mouse and all recruiters can have an easy web-based access to this information instantaneously. Developed backend interactions with Hibernate and Spring.
- **RecruitSharp - Enterprise Recruiting Solution:** RecruitSharp automates, streamlines, and simplifies every facet of the recruitment process. With Requisition Management System, Candidate Management System, Staffing Vendor Management System, and Intelligence System, RecruitSharp is the industry's most robust offering. Designed and implemented the RecruitSharp Enterprise Recruiting Solution using Struts and Spring Frameworks. Created the candidate search functionality using LUCENE with the ability to highlight search keywords. Used an Oracle database to develop a Struts and JDBC-based workflow for the administration module.

Technical Proficiencies

Java/J2EE Technologies:	Servlets, JSP, JNDI, JDBC.
Operating Systems / Software:	Windows, WinCVS, Tortoise SVN 1.3.3, Clear Case, MKS Integrity, Liferay Developer Studio, RAD, MyEclipse, Eclipse Struts 1.3.8, Spring Boot 2.x, JSF 1.2, Hibernate, IntelliJ.
	Angular 7, jQuery, JavaScript, Scriptaculous, Prototype, WinCVS, Tortoise SVN 1.3.3, Clear Case, MKS Integrity, Rational Rose, Star UML, Microsoft Visio.
Methodologies / Web & IDE Tools:	Waterfall, Agile Scrum, DHTML, XHTML, CSS, XML, XSL, XSLT, AJAX, Liferay Developer Studio, RAD, MyEclipse, Eclipse, IntelliJ.
Design Patterns & Databases:	Singleton, DAO, DTO, Session Façade, Circuit Breaker, Oracle, Microsoft SQL Server, MySQL, H2.
Cloud Technologies	AWS-ElasticBeanstalk, RDS, S3. Pivotal Cloud Foundry and
	Azure devops on prem.

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Awards

Coin from State of Michigan: Received a coin from State of Michigan for successfully completing the Java upgrade for the entire application, with minimal impact.

Education and Credentials

Master of Sciences in Information Systems | Osmania University
Bachelor of Computer Applications | Osmania University