

Rama Murthy

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Professional Qualification: Over 20 years of Software development, design and Architecture experience as Architect, lead developer, Senior developer, lead Consultant. PMP Certified and have a lot of experience with Scrums.

Technical Skills

Languages	Java, JavaScript, Python, Sql, Unix Shell script.
J2EE Components	Spring,(web, security), Hibernate, Web services, jquery, Struts, node, npm, Webpack, JSP
Application/Web servers	Tomcat, Weblogic, Websphere, Jdeveloper, JBOSS
Continuous Integration	Bamboo, Jenkins, Ansible
Database	Oracle, mysql, Sybase
CM Tools	GIT, Subversion, GIT
Operating Systems	Unix, Sun Solaris, Windows

- **Certified Java Programmer**
- **PMP Certified**
- **Scrum Master Accredited Certification (International Scrum Institute)**
- **MS in Computer Science**
- **Clearance -Public Trust with DOD CAC Card(Active), Top Secret from DOE and Secret from DHS – (Not active)**
- **US Citizen**

Professional Experience:

Principal Consultant, Northrop Grumman (10/2016 - Present)

- Working on the Defense Travel System (DTS) application. Technical Lead for Sustainment group, development of J2EE web based application, design, development of java back end (spring, hibernate), javascript, node.js for user interface, Coordinating with all different groups including testing, Change Management, Help Desk and Development teams.
- Works as back up for Scrum Master to lead the Sustainment group
- Worked on Re Architecting the application with other leads the entire application to use the latest technologies with latest version of Spring, hibernate

- Lead for Code merges from different branches into Trunk and to other branches in Subversion.
- Lead for enhancements to Web Services to Query, Reserve tickets on Air, Hotel and Rental Car using SABRE, Google ITA.
- Worked on Enhancing the Email template to send emails to different workflows
- Worked on supporting Production deployments from development, test and Pre prod. Coordinated with different teams in each stage for deployments, testing.

Principal Consultant, Government Accountability Office (09/2014 - 09/2016)

- Working on EMS which all GAO users work collaboratively to manage engagements. It uses ExtJs on the front end and hibernate and spring on the back end. ExtJS communicates to the back end using JSON AJAX. Use Git for version control, Jenkins for Automated builds and maven for building.
- Worked on generating the history of updates using hibernate Enverse and displaying data using ExtJs Tree grids and communicating to hibernate using JSON.
- Optimized apache SOLR queries and get the result as JSON.
- Added product to EMS functionality using Ext Js 4.0 and worked through all layers (hibernate, middle tier etc).
- Enhanced excel output report and made it generic to added new functionalities
- Worked on grid and pdf output for all reports.
- Worked on Hibernate conversion from 3.x to 4.x - Persistence and business logic
- Wrote Python program for filtering data

Principal Consultant, Affordable Health Care, QSSI Inc (12/2013 - 08/2014)

- Managing a team of technical leads and testers from QSSI in Affordable health care team.
- Coordinate defects resolution, tracks the schedule of the defects from development to production.
- Facilitate daily stand up meetings between different stakeholders involved for tracking defects and new enhancements.
- Facilitate design and new enhancement meetings between CGI, CMS and QSSI teams.

Aggregate weekly status notes from pod leads and send reports and milestones to higher

management

Principal Consultant, Trusted Integration Inc, Alexandria, VA
Trusted Agent - FISMA (5/08 – 12/13)

- Working on FISMA(Federal Information Security Management Act) product (Trusted Agent) for Government Agencies. Worked on all phases of J2EE application architecture, development, design, testing, delivery, production Support.
- Working with clients CMS(Centre for Medicare and Medicaid) and NIH (National Institute of Health), HRSA (Human Resources Services Administration) and FDA(Food Drug Administration) for new technical updates to TrustedAgent. Working with Project Manager, Production Support and testing teams to make sure all updates to Trusted Agent goes through to the CMS, NIH and other clients on time.
- Designed and developed Alert Manager for all parts of Trusted Agent where it sends Alerts when a new Corrective Action, Milestone, Entity, Finding, Interconnection etc is added, updated or deleted by the user. It sends email for people who have access to that Entity.
- Designed and developed Alert Manager to send Alerts automatically when an entity, milestone etc is changed to Delayed.
- Designed and developed Reporting Database replication where it copied data from Trusted Agent to an external Reporting Database. This enhancement is being used by CMS and other clients.
- Architected and developed LDAP for Trusted Agent. Worked on the specifications for LDAP use for all the agencies. Developed a generic Trusted Agent API for accessing LDAP seamlessly within the application. Enhanced the TrustedAgent application so that you can easily configure it to work with either LDAP or TrustedAgent database. Worked on implementing LDAP support for all clients including Homeland Security, Centre of Medicare, National Institute of Health etc.
- Enhanced TrustedAgent with Apache POI Java API to work with Excel 2010 and 2003 seamlessly for uploading weakness, milestone and Findings Data.
- Worked with the client CMS (Centre for Medicare and Medicaid)- Helped the client in implementing Trusted Agent with CMS environment. Worked with multiple teams within Lockheed Martin to install Trusted Agent with CMS.
- Worked with the Department of Energy for implementing the Trusted Agent. Discussed the requirements and worked on implementing the Trusted Agent custom features with them.
- Developed ant scripts so that we can create war files, distribution package for

different clients easily depending on the properties file.

- Redesigned the batch files, unix shell scripts so that it is part of the deployment package and all the batch files work without any configuration updates.
- Developed different utility programs for changing the password for the database schema, encoding password etc.

Consultant, Stanley Associates, Dumfries, VA

MDSS Application (11/07- 4/08)

- MDSS is a Deployment Support application which provides the personnel and equipment information for Marine Air Ground Task Force (MAGTF). Investigated and researched several Adhoc Reporting tools for MDSS application.
- Suggested an Ad Hoc reporting tool for power users. Working on several Custom Reports where the reports show the PDF forms after being updated with the personnel and equipment data from the database.
- Worked with Jdeveloper with BC4J for designing and generating the model layer code and JSF ADF for the view layer. Working on reports which show the personnel, equipment, route information to the force.

Technologies: Jdeveloper, BC4J, ADF, JSF, Servlets, Oracle 9i.

Principal Consultant, Trusted Integration Inc, Alexandria, VA

Trusted Agent - FISMA (10/06 – 11/07)

- Worked on Development of TrustedAgent application. TrustedAgent is an enterprise J2EE web based FISMA compliance product which uses Struts, JSP and DAO layer objects. Helped the company set up their configuration management tool Subversion.
- Helped the company set up their configuration management tool Subversion.
- Redesigned the TrustedAgent application module which identifies how the application should be configured for each client differently. We use the same application to turn on and off certain features for each client installation.
- Analyzed the TrustedAgent application for improving the performance. Worked on deployment of TrustedAgent application to several government agencies.
- Developed a java program using Java POI API to upload data from Spreadsheet to the Oracle database. Also developed another module to get data from the database and update the Spreadsheet.
- Working with clients in developing requirements for the new Features for TrustedAgent.
- Installed and supported the application with several clients like Homeland Security, NIH, and Department of Defense.

Technologies: Jdk 1.4, Struts, Servlets, JSP, Eclipse, Oracle 9i/10g.

**Senior Developer, Fannie Mae, Herndon, VA,
Treasury-Ecommerce Apps (04/06 – 09/06)**

- Designed the Class diagram and Sequence diagrams for the IDS (Investor Data Service application enhancements.
- Designed the necessary classes for converting Entity bean calls into hibernate methods.
- Designed and developed Ecommerce applications using Struts, JSP and Hibernate.
- Involved in Converting Ecommerce applications from Weblogic 7.1 to 8.1

Technologies: Jdk 1.4, Struts, Servlets, JSP, Hibernate, Eclipse, Oracle 9i

**Lead/Senior Programmer, Nextel Communications, Herndon, VA
Sales Portal Applications (04/02 – 04/06)**

- Designed the AART(Assigned Account Reference Tool) application for a large web based project for the Nextel Sales Portal using Struts, Servlets, JSP, Hibernate and Oracle database 9i.
- Worked as a Team lead for design and development of Assigned Account Reference Tool (AART)
- Evaluated different persistence models and were very instrumental in introducing Hibernate persistence to the group. Facilitated the Code Review sessions for the AART application. Lead the team to develop Service and Repair products that are being used in all Nextel Service Centers.
- Worked with the business and development teams in all phases starting from requirements, design, estimation, coding, testing for the AART application.
- Worked on validating the sales users with LDAP. Worked on integrating the product with Ensemble System(Nextel's database) using MQSERIES, XML
- Helped developers use XML Parser for parsing the Result back from the API. Helped developers in developing Data Access objects and integrate with hibernate
- Developed the base action core classes in Struts which was reused in lot of the other applications.
- Worked on Nextel/Sprint integration project to develop web based Sales Rep lookup using Servlet, Hibernate, JSP, Javascript and others. Worked on importing the data from access database to Oracle database validating sales users to LDAP user, and validating data in access before putting in Oracle
- Coordinated between Enterprise System Integration team, testing teams in developing an OPEN API for the AART database and also AART nightly replication to Nextel Data Warehouse. Worked with the Testing team for reviewing

Test Cases and also during System Test and UAT phase

- Working on design and development of NAR tools used by Nextel Authorized Representative. Worked on design and development of EJB, JSP pages for the representative to submit the form. Uses the Java Mail package to send an email to the representative and the region owner
- Designed the Service and Repair application database using Erwin and generated the base classes using Rational Rose. worked on the middle tier for developing the business logic for the application
- Worked with the Enterprise integration team to develop the Open API for AART database and helped the testing team for developing the Open API test cases.
- **Technologies: Struts, Servlets, JSP, Hibernate, Oracle 9i, Eclipse, EJB**

Architect, Consultant, TreasurySoft, Herndon, VA

Treasury Applications (04/04 – 01/06)

- Evaluated different J2EE products needed to build the product. Worked on setting up the Weblogic environment and other J2EE frameworks like hibernate, JSF for the treasury Product.
- Developed the Coding Standards documents and helped the developers to understand it.
- Built the LDAP interface, logging framework for the Product. Worked on the Security module for the Product.
- Created a best practice guideline document for the developers which also included best practices for exceptions, logging etc
- **Technologies: Servlets, JSF, JSP, hibernate, Sql Server, Weblogic, Eclipse**

Senior Programmer, AmazingMedia, Fairfax, VA

Online Ad Creation tool (11/98 – 04/02)

- Developed J2EE EJB version of Advariant using Struts, JSP and BEA Weblogic application server
- Assigned tasks to 3-4 programmers about JSP, and Server side software
- Worked on Entity and Session beans to save, update and create new Ads
- Developed many Sybase Stored procedures to create reports for Advariant Application
- Designed and developed the web based publisher application using Struts, JSP and JDBC
- Worked on plsql stored procedure for creating a Ad Report.
- Worked on Testing team for Release and testing schedule
- Facilitated Code Review sessions with all developers twice a month

- Developed test programs to make sure that EJB's work according to the specification
- Worked on Entity beans to make it faster.
- Developed JSP Tag libraries to use in many applications across AmazingMedia
- **Technologies: Servlets, JSP, JBuilder, Sybase, weblogic**

Consultant, Vigen Corporation, Sterling, VA

Transportation Applications (10/97 – 11/98)

- Worked on java based transportation application to design highways and freeways
- Worked on the User interface using java(AWT) to create different Panels, frames
- Converted AWT to Swing Application.
- **Technologies: AWT, Swing, Sql Server.**

Consultant , Computer Sciences Corporation, Springfield, VA

Total Asset visibility Application (10/96 – 10/97)

- Worked on Design and Development of Object Oriented Programming, C++ coding on TAV(Total Asset Visibility) project with Defense Contract
- Worked on Creating hierarchy objects and reused lot of software in different modules
- Worked on a web based product in perl for tracking the TAV related equipment. Used CGI programming and HTML to get the user input and processes the Result using perl
- **Technologies: Perl, CGI, C++,HTML**

Software Engineer, Automation Research Systems, Alexandria, VA

Budget Analysis Forecasting Apps (01/93 – 10/96)

- Worked on a C++ application which the Defense department used for Budget Analysis and forecasting
- Designed all the C++ classes and its relationships
- Worked on analyzing the memory leaks in C++ pointers and fixing that
- Worked on Sequence and Activity diagram for all the Budget Analysis and forecasting classes
- Converted the code from Borland C++ 3.0 – 5.0
- Worked on many Perl scripts, Shell scripts to filter the data that we get from the database
- Developed Expect script to login to different servers that we store data and perform some tasks and ftp the data back.
- Worked on Visual Basic project for Automation Research System internal product
- **Technologies: C++, Borland, Perl, Shell Scripts, Visual Basic**

Professional Qualification:

MS in Computer Science from Shippensburg University of Pennsylvania, PA

Residency Status: US Citizen

Clearance: DOD public Trust with a DOD Contractor badge

Previous Clearance: Had top secret with Department of Energy and Secret with Department of Homeland Security.