



Murali Sai Rama Krishna Veligeti

Senior System Architect.

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Bangalore, India

Expert-level Software Architect who has more than 13 years of experience developing proprietary enterprise software products and has optimum excitement in using various technologies to design, develop, and attentively deploy real enterprise class software, including building a knowledge of customer's environments and their use of products. Self motivated with the ability to be proactive with project execution.

WORK EXPERIENCE

Senior System Architect

Huawei Technologies India Pvt Ltd

02/2015 - Present

Achievements / Task

- Designed and Developed Microservices and interaction between them.
- Designed and/or built private cloud test using Docker and Kubernetes. Worked on SOC - ONAP module
- Developed shared central authentication system in Java/AngularJS for intranet applications.
- Collaborated with product management to design, build and test systems.
- Collaborated with developers and performance engineers to enhance supportability and identify performance bottlenecks.
- Contributed Python codebase used in the automated deployment of software on multiple virtual machines.
- Worked closely with clients to establish problem specifications and system designs.
- Created, delivered and maintained scalable system architecture to support a high-availability internet site with various internal applications.
- Performed regression and system-level testing to verify software quality and function before it was released.

Lead Engineer

Nalashaa Solutions LLC

03/2014 - 02/2015

Achievements / Task

- Involved in identifying performance issues and enhance the code to resolve bottlenecks in the customer environment.
- Evaluated multiple software solutions during early software architecture plotting and system migration planning stage.
- Developed Integration Platform for different systems such as SAP and CRM system.
- Optimized the existing application for the customer by implementing web sockets based solution.
- Implemented designs, including deployment and multi-layered systems.
- Diagnosed and troubleshooting UNIX and Windows processing problems and applied solutions to increase company efficiency.
- Provided methodologies for object-oriented software development and efficient database design.
- Designed and implemented new server standards for core business services.
- Recommended architectural improvements, design solutions and integration solutions.
- Used to do lot of research in identifying new technologies and tools for enhancing product value and increasing team productivity.

Senior Consultant

British Telecom

05/2014 - 02/2014

Achievements / Task

- Involved in evaluation of multiple solutions and multiple open source products to identify best suitable product for development.
- Involved in developing Use Case document and written High Level Design and Low Level Design.
- Built, tested and deployed scalable, highly available and modular software products.
- Involved in performance testing to verify software quality and function before it was released.
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.
- Assessed costs and risks associated with developing new features and products.
- Interacted with Software Vendor's Oracle and IBM to solve the problems raised in the product.
- Used tools such as JProfiler and MAT tools to identify performance bottlenecks in the application and revamped the application using the latest technologies such as HTML5 and EmberJS.
- Implemented continuous integration tools in deployment process.

Senior Software Engineer

Oracle India Pvt Ltd

02/2009 - 05/2013

Achievements / Task

- Interact with Portal product/Server product support team, investigating and diagnosing problems, instrumenting code to identify bugs and fixing them in the code level, and providing optimal solutions to the customer.
- Worked on reproducing Production issues on Portal/Server installers and debugging the code to find the fix for the problems.
- Worked on bug fixes in the Portal product related to WSRP 2.0, UCM VOR Adapter, Content Management, DVT (Dynamic Visitor Tools), Personalization, Interaction Management, REST API, DISC API.
- Worked on issues in Server product related to WebApp, JDBC, JMS, Memory Leaks and Performance Issues.
- Worked on developing software which helps to collect the logs files from customer environment when memory issues comes in production server and also helps in providing possible solutions when problem occurs.
- Involved in writing complex logic for server performance to improve. Had rewritten the entire module for JMS performance.
- Involved in managing and maintain code and configurations for all the future and previous version of the product.
- Worked as consultant and involved in onsite engagements for Architecture Design review, Performance Tuning and Development.
- Involved in development Oracle Cloud software.
- Involved in designing, development and testing of features via applications and services.

Software Engineer

IT People Corporation India Pvt Ltd

08/2008 - 02/2009

Achievements / Task

- Evaluated existing applications to reprogram, update and add new features.
- Designed and developed prototypes according to specifications.
- Identified and resolved performance and scaling issues in the existing applications.
- Developed applications with high quality source code within deadlines.

Associate - IT Services

Mindtree Pvt Ltd

04/2008 - 08/2008

Achievements / Task

- Collecting information on project and developed some of the use cases.
- Worked on building REST API and code modularization.
- Worked on implementing CI environment which does builds automatically.
- Involved in doing Proof of Concept using Spring/Hibernate and successfully completed.
- Involved in writing High Level Design by considering Use Case document.
- Worked on developing JUnit tests and done 100% code coverage.

Software Technical Consultant

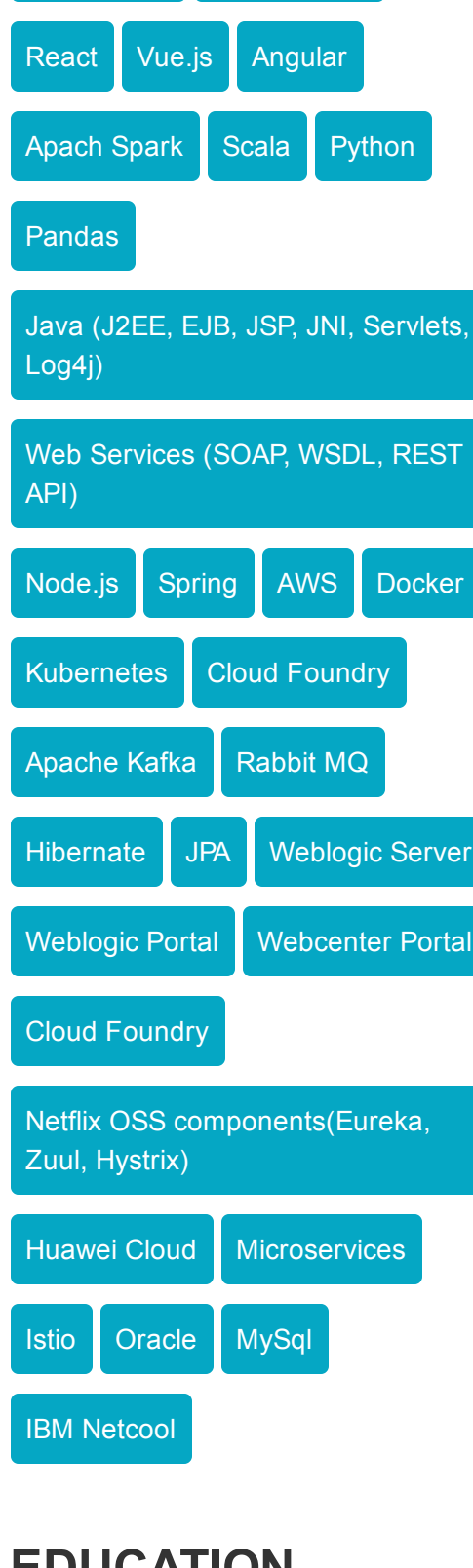
CRMIT Solutions Pvt Ltd

05/2006 - 04/2008

Achievements / Task

- Involved in developing prototypes to confirm feasibility of the solution.
- Researched, designed and implemented scalable applications for information identification, extraction, analysis, retrieval and indexing.
- Wrote maintainable and extensible code in a team environment.
- Worked effectively with design teams to ensure software solutions elevated client side experience.
- Modified existing software to correct errors, upgrade interfaces and improve performance.
- Prepared detailed reports concerning project specifications and activities.
- Developed code fixes and enhancements for inclusion in future code releases and patches.
- Collaborated with developers and performance engineers to enhance supportability and identify performance bottlenecks.
- Fast in debugging customer problems and provide optimal solutions.

SKILLS



EDUCATION

Master Of Engineering ME

Arural Engineering College [Anna University]

08/2003 - 08/2005

Bachelor Of Technology BTech

Arural Engineering College [University Of Madras]

08/1999 - 04/2003

AWARDS AND RECOGNITION

- Involved in developing prototypes to confirm feasibility of the solution.
- Received Director award for performing excellence in Design and development of project for Singtel and AIS.
- Top Code across Huawei India 2017 (For high code contribution with good quality).
- Excellence in Project Delivery 2016 (This award is meant for delivering project with good quality).
- Excellence in Project Delivery 2015 (This award is meant for delivering project with good quality).
- Outstanding Contributor Award for FY10 Q2 (For contributing in the area of Weblogic Portal Knowledge Management. This award has an Executive VP level visibility at Oracle).
- Spot Award for FY10, Q3 (These awards are used to recognize individuals that have demonstrated commitment to their job and to helping others, whether a customer or teammate. Considerations include commitment & dedication to a goal or project and consistent high performance).
- QSCAR Award Nominee for Rookie FY10.
- Star Award for FY11, Q4 (These awards are used to recognize individuals that have demonstrated commitment to their job and to helping others, whether a customer or teammate. Considerations include commitment & dedication to a goal or project and consistent high performance).
- Star Award for FY13, Q1 (These awards are used to recognize individuals that have demonstrated commitment to their job and to helping others, whether a customer or teammate. Considerations include commitment & dedication to a goal or project and consistent high performance).

PROJECTS [WHEN WORKING IN HUAWEI TECHNOLOGIES INDIA PVT LTD]

Project Name: IPCrystal

Client: Huawei

Technologies Used: ReactJS, Huawei Cloud, Huawei Framework For RESTAPI

Role: System Architect & Developer

Description

- Involved in design and development of Microservices. The Microservices architecture is based on Huawei Cloud Framework Cloud Dragon. The project is used for simulation of networks for traffic distribution. This service allows customer to change the local preference of the devices such as Routers and view the simulation results. This allows customer to perform the simulation and update the device configuration in one go.

Responsibilities

- Involved in System Design. Involved in development of Microservices. Implementation of UI using ReactJS. Involved in coding and design of RESTAPI.
- Active Participation to the Code and design review, meetings, effort tracking. Establishing best practices for project development.
- Creating JUnit classes for unit testing.

Project Name: Policy Control And Charging

Client: Huawei

Technologies Used: Huawei Cloud, Huawei Framework For RESTAPI

Role: System Architect & Developer

Description

- Involved in design and development of Microservices. The Microservices architecture is based on Huawei Cloud Framework Cloud Dragon. This project help in providing better bandwidth for VIP customers in busy areas. The traffic monetization and privilege monetization have become the trend of future services. Based on User and current location we trigger PCRF dynamically.

Responsibilities

- Involved in System Design. Involved in development of Microservices. Involved in coding and design of RESTAPI.
- Active Participation to the Code and design review, meetings, effort tracking. Establishing best practices for project development.
- Creating JUnit classes for unit testing.

Project Name: Huawei Analytics Dashboard

Client: Huawei

Technologies Used: ReactJS, Python, Pandas, Spring Boot, MySQL, Huawei Cloud, Huawei Framework For RESTAPI

Role: System Architect & Developer

Description

- Involved in design and development of Microservices. The Microservices architecture is based on Huawei Cloud Framework Cloud Dragon. This project involves in processing of huge data using python pandas and persist to MySQL. UI Application will query using REST API and show the dashboards.

Responsibilities

- Involved in System Design. Involved in development of Microservices. Implementation of UI using ReactJS. Involved in coding and design of RESTAPI.
- Active Participation to the Code and design review, meetings, effort tracking. Establishing best practices for project development.
- Creating JUnit classes for unit testing.

Project Name: Huawei Fault Management [Singtel, AIS, Dialog, PLDT, MTN, Orange]

Client: Huawei

Technologies Used: ExtJS, AngularJS, Spring MVC, Oracle, IBM Netcool, Sybase

Role: System Architect & Developer

Description

- Involved in development of Huawei Fault Management solution and deployed FM for Sri Lanka Dialogue, AIS Thailand, SingTel Singapore, PLDT Philippines. Involved in the development of GIS solutions, Trouble Ticketing Solutions. Depending on the Alarms that exists in the network devices or sites, shown in the GoogleMap/ArcGIS/OpenLayers. Depending on the Alarms in the network devices or sites, auto trouble tickets will be created.

Responsibilities

- Involved in System Design. Involved in development of Arc Gis, Trouble Ticket, Topology applications. Implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development. Creating JUnit classes for unit testing.

Project Name: FOC Portal & Monitor Portal

Client: Huawei

Technologies Used: ExtJS, AngularJS, Spring MVC, Oracle, IBM Netcool, Sybase

Role: System Architect & Developer

Description

- Involved in development of Huawei Fault Management solution and deployed FM for Sri Lanka Dialogue, AIS Thailand, SingTel Singapore, PLDT Philippines. Involved in the development of GIS solutions, Trouble Ticketing Solutions. Depending on the Alarms that exists in the network devices or sites, shown in the GoogleMap/ArcGIS/OpenLayers. Depending on the Alarms in the network devices or sites, auto trouble tickets will be created.

Responsibilities

- Involved in design. Involved in development of GIS, Trouble Ticketing, Notification modules implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development. Creating JUnit classes for unit testing.

Project Name: Huawei Field Service Management (Orchestrator) [Starhub Operator]

Client: Huawei

Technologies Used: ExtJS, AngularJS, Spring MVC, MySQL

Role: System Architect & Developer

Description

- FSM is redesigned to use BPM Workflow so that Telco Operator can define their own flow and own conditions. No code change involved when changing flow and certain conditions which helps to change the decision runtime. Business Process Management (BPM) is a discipline involving any combination of modeling, automation, execution, control, measurement and optimization of business activity flows, in support of enterprise goals, spanning systems, employees, customers and partners within and beyond the enterprise boundaries.

Responsibilities

- Involved in design. Involved in development of Orchestrator. Implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development. Creating JUnit classes for unit testing.

Project Name: Huawei VHA [Vodafone, Australia]

Client: Huawei

Technologies Used: Fastwire IM, Adobe Flex

Role: System Architect & Developer

Description

- Implemented NIT Solution for Australian Telco Operator and did customizations to view Rack/Ports information in GUI. Operator provides all the information in XML files in very big size. Implemented solution to parse the file periodically and updates the DB so that UI can see all informations.

Responsibilities

- Involved in design. Involved in development of NE display. Implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development. Creating JUnit classes for unit testing.

Project Name: Huawei OneFM [For Internal NOC]

Client: Huawei

Technologies Used: Java/JEE, ExtJS, AngularJS, Oracle, IBM Netcool, Sybase

Role: System Architect & Developer

Description

- Worked on OneFM and independently developed solution and deployed in GNOC (India). Fault Management is built on top of IBM Netcool Platform where it enables users to create Trouble Ticket based on Alarm in SDM. Based on some of the correlation rules it generates Trouble Ticket Dynamically. One FM is cloud based platform where the environment is hosted in Huawei. Instead of installing Netcool for each individual customer, FM for all the customers runs on one Netcool Licence.

Responsibilities

- Involved in design. Developed Trouble Ticketing Module. Implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development. Creating JUnit classes for unit testing.

Project Name: Huawei Presales Capacity Check (PCC) [Starhub, Singapore]

Client: Starhub

Technologies Used: Java/JEE, Spring REST, AngularJS, MySQL

Role: System Architect & Developer

Description

- PCC (Presales Capacity Check) is StarHub's web-based network coverage search engine which enables users, pre-check the StarHub's coverage and capacity prior to submission of order to StarHub. Access only given to StarHub's approved wholesale customers or who are registered users of StarHub Wholesale's eServices PCC covers Service Types ELL, DLC, ISDN30, ADSL, PSTS, ISDN2 and EV.

Responsibilities

- Involved in Design and Architecture of System.
- Involved in development of Frontend using AngularJS. Middleware as RestServices (Used Jersey Implementation of REST).
- Implementation of new features and enhancements. Involved in coding and design of web pages as the front hand UI.
- Active Participation to the Code and design review, meetings, effort tracking. Establishing best practices for project development.
- Creating JUnit classes for unit testing.

Project Name: Huawei Operational Project Management (OPM) [Starhub, Singapore]

Client: Starhub

Technologies Used: Java/JEE, Spring REST, AngularJS, MySQL

Role: System Architect & Developer

Description

- OPM (Operational Project Management) is StarHub's web-based project management tool where they oversee and manage the progress of entire project. Provide daily, weekly, monthly and all other necessary reports on the project status to StarHub's PM. This tool ensures that all the deliverables set out in the project are delivered by the respective contractors in accordance with the project schedules as set out.

Responsibilities

- Involved in Design and Architecture of System.
- Involved in development of Frontend using AngularJS. Middleware as RestServices (Used Jersey Implementation of REST).
- Implementation of new features and enhancements. Involved in coding and design of web pages as the front hand UI.
- Active Participation to the Code and design review, meetings, effort tracking. Establishing best practices for project development.
- Creating JUnit classes for unit testing.

Project Name: Huawei Field Service Management (FSM) [Starhub, Singapore]

Client: Starhub

Technologies Used: Java/JEE, Spring REST, AngularJS, MySQL

Role: System Architect & Developer

Description

- FSM (Field Service Management) is StarHub's web-based tool which enables manage orders and maintains Service Engineers.

Responsibilities

- Involved in Design and Architecture of System.
- Involved in development of Frontend using AngularJS. Middleware as RestServices (Used Jersey Implementation of REST).
- Implementation of new features and enhancements. Involved in coding and design of web pages as the front hand UI.
- Active Participation to the Code and design review, meetings, effort tracking. Establishing best practices for project development.
- Creating JUnit classes for unit testing.

PROJECTS [WHEN WORKING IN NALASHAA SOLUTIONS LLC]

Project Name: Jitterbit API Implementation

Client: Jitterbit

Technologies Used: Java/JEE, Spring

Role: System Architect & Developer

Description

- Development of connectors between ERP Systems.
- Involved in Architecture and development of the Portal. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development. Creating JUnit classes for unit testing.

PROJECTS [WHEN WORKING IN BRITISH TELECOM]

Project Name: Order Fulfillment System

Client: BT

Technologies Used: Java/JEE, Spring

Role: Lead Engineer

Description

- OFS is an Orchestration System which interacts with different suppliers for fulfillment of various orders. OFS is built with custom Rules Engine and based on that orders will flow across OFS to various suppliers. Majority it involves with fulfillment for Broadband, Mobile etc.

Responsibilities

- Involved in Designing and integration of OFS to New Supplier Models. Involved in Designing new Product Models.
- Involved in Designing orchestration of new Product Model across Multiple Suppliers. Creating JUnit classes for unit testing.

PROJECTS [WHEN WORKING IN IPEOPLE CORPORATION INDIA PVT LTD]

Project Name: SBX SAP Procurement

Client: Simplifying-IT

Technologies Used: https://www.youtube.com/watch?v=EDWeYBZWUDE

Technologies Used: EmberJS, SAP

Role: Lead Engineer

Description

- The SBX software platform provides a new UI that was specifically designed to greatly simplify and enhance the full Procure-to-Pay (P2P) end user experience to increase adoption and compliance of SAP-based e-Procurement. SBX leverages your SAP investment and does not require any of the following: new hardware, additional database(s), system modifications, synchronizing of master data, synchronizing of transaction data, additional user authentication Risk internet, intuitive experience.

Enhanced user experience

Improved compliance and control

Leverages SAP investment

Responsibilities

- Involved in Designing and Coding and integrating SBX to SAP. Implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development.

Project Name: SCLX Construction Lead Form

Client: Simplifying-IT

Technologies Used: EmberJS, SAP

Role: Lead Engineer

Description

- Organizations such as Oil & Gas that have large projects will get tremendous benefits from this application. This solution allows construction leads to track project progress and have real-time information on the status and any potential issues. While this solution integrates with SAP's Project System (PS) module, there is a great deal of additional functionality not natively available in SAP. Real-time access to all aspects of a project including progress, status, delays, how vendors are performing, reasons for delays.

Rich Internet, intuitive experience

Enhanced user experience

Improved compliance and control

Leverages SAP investment

Responsibilities

- Involved in Designing and Coding and integrating SBX to SAP. Implementation of new features and enhancements.
- Involved in coding and design of web pages as the front hand UI. Active Participation to the Code and design review, meetings, effort tracking.
- Establishing best practices for project development.

PROJECTS [WHEN WORKING IN ORACLE INDIA PVT LTD]

Project Name: Oracle Weblogic Server Development

Client: Oracle

Technologies Used: Java/JEE

Role: Software Engineer

Description

- Handling product related issues with Weblogic server ranging from 7.x to current Weblogic versions (12.1.1) along with workshop runtime framework.

Responsibilities

- Interacting with Weblogic Server product support team, investigating and diagnosing problems, instrumenting Weblogic server code to identify bugs and fixing them at the code level, and providing solutions to the customer.

Working on reproducing Production issues on Weblogic installers and debugging the code to find the fix for the problems.

Reviewed, Validating and fixing the bugs raised by Weblogic Server Support Team.

Also worked as consultant and involved in onsite engagements for Architecture Design review, Performance Tuning and Development.

Involved in writing Knowledge Articles in the area of Oracle Weblogic Server.

Project Name: Oracle Weblogic Portal Product Development

Client: Oracle

Technologies Used: Java/JEE

Role: Software Engineer

Description

- Handled product related issues with Weblogic Portal along with workshop runtime framework. Also working on the product code with source lines ranging from 8.1.x to current Weblogic versions (10.3.x) and giving critical patches to the customers.

Responsibilities

- Interacting with the Weblogic Portal product support team, investigating and diagnosing problems, instrumenting Weblogic server code to identify bugs and fixing them in the code level, and providing solutions to the customer.