# Rajamohan Reddy Sanepalle

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**Professional Summary**

* Experienced Principal Architect with 14 years extensive experience in spearheading the design, development of IT solutions using TOGAF and best practices.
* Application Modernization with hands-on experience of Digital Transformation and technical domains (microservices, containers, cloud native development, API management, mobile development)
* Act as principal/lead architect on multi-technology solutions, analyse customer needs, develop proposals, create technical designs and other necessary documentation
* Work with customers from defining the strategy, roadmap & migration planning, reference architectures, solution architecture, design & development, performance engineering and the governance.
* Contribute to the business development activities by working on the proposal responses and getting involved in the customer presentations.
* Contribute towards development of IP’s, Assets, Solutions and accelerator kits around the service offerings.
* Assist on consulting/advisory services for customers digital transformation journey.
* Inform and coordinate with Internal Operations to address resource/capability gaps for the Digital Transformation Practice.
* Review and recommend improvements to existing application architectures.
* Lead the AWS strategy and roadmap for the customers.
* Hands-on experience in multiple architecture styles including microservice architecture (MSA), Cloud native architecture, Event driven architectures and Serverless architecture.
* Defining API guidelines, architecture policies and thought leadership on how and where to build APIs and Microservices.
* Leading and evangelizing the Microservices and API strategy and direction for the organization.
* Twelve-Factor App Methodology for Building SaaS Applications using Multi-tenant Architecture
* Implement the best practice methodologies for application security including OWASP Top Ten vulnerabilities.
* Automation of project processes, Virtualization to expedite testing, Containerization for improved scalability and faster deployment by adopting DevOps best practices.

**Technical Skills**

* **Languages** – Java, Groovy
* **Architecture Styles** - Microservice Architecture(MSA), Cloud Native and Event driven architectures
* **Frameworks** – Spring framework Core, Spring Boot, Spring Cloud, Vert.X,
* **Frontend / UI** - Angular, NodeJS
* **API Gateways / Edge Services** – Camel, Spring Cloud Gateway, Netflix Zuul
* **Configuration & Discovery** - Consul, Eureka, Spring Cloud Config, ZooKeeper
* **BPM Frameworks** - Spring Activiti,
* **Logging** - Kibana, Logstash
* **Message Brokers** - Apache Kafka, RabbitMQ, Mosquitto
* **Monitoring & Debugging** – Beats, Grafana, Prometheus, Zipkin
* **Security** – JWT, OAuth
* **Development tools**: GIT, CVS, SVN, Bugzilla, JIRA
* **Storage** - Apache Cassandra, Couchbase, Elasticsearch, PostgreSQL, Oracle
* **Web API Modelling & Documentation** – GraphQL, JSON, REST, Swagger
* **CI/CD tools** - Jenkins,
* **PaaS platforms** - Docker/Kubernetes,
* **Operating Systems** – Linux, Unix

**Professional Work Experience**

**Object Technology Solutions India Pvt Ltd (OTSI), Hyderabad. Oct 2016 – Ongoing**

**Principal Architect & Digital Transformation Practice Lead**

**Key Transformation Projects / Case Studies / Solutions / Accelerators**

1. **Internet Of Things (IoT) Solutions**
	1. **Connected Vehicle Platform (CVP) solution for Women’s Safety** comply with ARAI AIS-140.

**Client : Road and Transport Dept, State of Andhra Pradesh, India**

Abhaya project intended for the safety of women travelling alone in autos and cabs. To ensure safety of passengers, the Transport Department officials are installing Internet of Things (IoT) devices in the auto-rickshaws in the city. The devices will also include a panic button for the passengers to press in case of emergencies, apart from having a Global Positioning System (GPS) which will be monitored and tracked by the police personnel in the control room or command control centre.

**Technologies Used**

Technologies –Java8, Spring Boot (Microservices), spring 4.X, REST, Angular, Apache Kafka

Vert.x - Polyglot event-driven application framework for building TCP server.

AWS Cloud : EKS, ELB, EC2, RDS(PostgreSQL)

Tools – STS, JIRA, Postmaster, GIT, Maven, Jenkins.

**1.2) Energy & Utilities** – Energy solutions comply with DLMS protocol.

**Prepaid Energy Meter solution** –

**Client : TSSPDCL, State of Telangana, India**

Automate the billing, payment process and build the effective power monitoring system. This solution is capable of outage detection, remote connect/disconnect capabilities, on-demand real time reads, real time tamper detection and protection.

**Technologies Used**

Technologies –Java8, Spring Boot (Microservices), spring 4.X, REST, Angular, Apache Kafka

Vert.x - Polyglot event-driven application framework for building TCP server.

AWS Cloud : EKS, ELB, EC2, RDS(PostgreSQL)

Tools – STS, JIRA, Postmaster, GIT, Maven, Jenkins.

1. **Artificial Intelligence (AI) Solutions – Accelerator framework**

Management Tool - End-to-end conversational AI-powered bots configuration tool for designing, creating, training, testing, and analysing AI and NLP-powered chatbots for use in all of the popular consumer and business communication channels. This tool to allow to configure required natural language processing (NLP) engine to detects intent of users in the given context & extracts entities with very high accuracy by processing user inputs against three different engines.

**Technologies Used**

Technologies –Java8, Spring Boot (Microservices), spring 4.X, REST, Angular.

AWS Cloud: EKS, ELB, EC2, SQS, RDS(PostgreSQL), Lex NLP

Azure: LUIS NLP, Bot Framework

Tools – STS, JIRA, Postmaster, GIT, Maven, Jenkins.

1. **Robotic Process Automation (RPA) Solutions - Accelerator framework**

Test Automation Tool – This is designed for doing functional and regression testing. It an end-to-end test automation solution and uses a flexible, scalable and maintainable architecture design that offers a 24/7 regression test running facility. It executes 5x time faster than manual execution. It uses the Page Object Model, which enhances test maintenance and reduces code duplication. Our keyword-based approach reduces your cost and time at every stage of the test design, automation, and execution step. It is behavior-driven test method makes it easy to introduce logic in automated tests.

**Technologies Used**

Technologies –Java8, Spring Boot (Microservices), spring 4.X, REST, Angular, ElectronJS

AWS Cloud: EKS, ELB, EC2, SQS, RDS(PostgreSQL)

Test automation frameworks like Selenium and Appium

Tools – STS, JIRA, Postmaster, GIT, Maven, Jenkins.

**ValueLabs, Hyderabad. Jul 2012 – Oct 2016**

**Solution Architect**

**Key Transformation Projects / Case Studies / Solutions / Accelerators Handled:**

1. **Social Media Platform** - Dugout Social Media Platform for Football

**Client : Dugout.com, UK**

Dugout’s business model is around acquiring fans, serving them engaging content and monetizing content views. The platform’s ability to deliver an engaging experience to the fans will directly determine fan acquisition rate and drive active usage there by having a direct bearing on revenue the platform generates Engagement functionality on the platform is essentially around search and discovery of players / clubs, relevance of activity feeds, reacting and sharing of content

**Technologies Used**

Technologies –Java8, Spring Boot (Microservices), spring 4.X, REST, Angular

AWS Cloud: ELB, EC2, SQS, RDS(PostgreSQL)

Tools – STS, JIRA, Postmaster, GIT, Maven, Jenkins.

1. **Cloud Services Brokerage (CSB) –**

**Client : Synnex, Australia**

Nephele Cloud Services Brokerage Platform

The NCSB is cloud ecommerce platform which aggregate different types of services and providers, enabling unified cloud catalog management, order management, user and service administration, user and service provisioning, security and access control, billing and settlement, usage reporting and auditing and federated help desk ticketing

**Technologies Used**

Technologies –Java8, Spring Boot (Microservices), spring 4.X, REST, Angular

AWS Cloud: ELB, EC2, SQS, RDS(PostgreSQL)

Tools – STS, JIRA, Postmaster, GIT, Maven, Jenkins.

1. **Media Approval Management Tool** –

**Client : Overstock.com, USA**

This application is meant for managing workflow / approval of eCommerce product media elements. The primary purpose of this application will be for the photo team to review and approve / reject images submitted through the product offer tool via partners. Buyers and / or partners will be notified upon rejection of any image.

**Technologies Used**

Java / J2EE, Overstock Bordello framework (similar to Spring Framework) & Overstock DB Framework, JAX-RS Web Services (RESTful), JAX-WS Web Services, Oracle Database, Tomcat, Linux, Maven, Mockito Framework, JUnit, Backbone JS, HTML, CSS, Handlebars.

**Konylabs IT Service Private Limited, Hyderabad. Dec 2011 – Jul 2012**

**Senior Software Engineer**

**Key Transformation Projects Handled:**

**Mobile Application Platform**

This provides the tools that a developer needs in order to write, test, deploy, and manage mobile applications. Mobile application platforms allow developers to work with mobile applications that are B2C (business-to-consumer), B2B (business-to-business), and B2E (business-to-enterprise).

**Technologies Used**

KonyOne Cross Platforn, Java, Lua, XML, Web Services, SOAP, WSDL, XSD

**IBM India Private Limited, Bangalore. Jul 2010 - Dec 2011**

**Senior System Engineer**

**Key Transformation Projects Handled:**

1. **Global Provisioning System**

**Client : AT&T, USA**

The Project has a client-server application that is part of AT&T’s Integrated Global Enterprise Management System (iGEMS). It has an Inventory, Provisioning, and Procurement (IP&P) system. It provides a Windows – based graphical user interface (GUI) that allows requests for products and services to be ordered (procured) and then provided (provisioned) to the customer once the order is completed.

**Technologies Used**

Java, JavaBeans, JSP, Servlets, RMI, Spring (IoC, DAO), XML, Web Services, SOAP, WSDL, XSD, Apache Axis, Oracle 9i and WebSphere 7.0

**Sabre Travel Technologies Private Limited, Bangalore. Oct 2007 - Jun 2010**

**Software Developer**

**Key Transformation Projects Handled:**

1. **Customer Care Management with IVR**

**Client : lastminute.com, UK**

The CPQ (or Call Pre-Qualification) project has been created to front telephone calls and filter out those calls that are seen to be less valuable to the company. The more valuable calls are presented to operators having first been prioritized in order of value.

**Technologies Used**

Java, JavaBeans, JSP, Servlets, Spring (IoC, DAO), XML, Perl, Web Services, SOAP, WSDL, XSD, Apache Axis, Informix, SQL Server, Jboss.

**Forceites Pvt. Ltd, Hyderabad. Aug 2006 - Oct 2007**

**Software Developer**

**Key Transformation Projects Handled:**

1. **Profit Manthra** : It is an automated tool Stock Analysis tool which provides you with daily Stock Picks, timely Buy and Sell Signals for any Stock on BSE, NSE. This helps you in making profitable investments in the stock market be it Intraday or Delivery. And we are integrating our portals into Economic times portal name called as ‘Profit Mantra’.

**Technologies Used**

Eclipse, JAVA, JSP, Hibernate, Spring IOC, AJAX, DWR, My SQL,Java Mail, Tomcat 6.x, XML, JSON, Web Services, SVN

**Education**

Master of Computer Applications (MCA) from Osmania University