

Venugopal Bathini

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Professional Summary

- **14+ years** of experience in **Full stack application development** spanning requirement gathering, analysis, and technical design and development and support activities, including **2 years of onsite experience**.
- Experience in Rapid development while working Research and Development Team to complete the prototypes in less duration.
- Excellent understanding and working knowledge on **Java, J2EE, EJB, Apache Wicket, Struts, REST, API design using Web Services (SOAP & REST), JSP, Servlets, OAuth, Spring Boot, Micro services, JavaScript, JQuery, Ajax, Eclipse Plug-in Development and Amazon Web Services Cloud, JBoss Fuse** technologies.
- Excellent understanding and working knowledge of **Angular Js, Angular 8 & 9**.
- Excellent understanding and working knowledge of **Akka, Kafka, Spring Boot, Micro Services & Zookeeper**.
- Expertise in **JBPM (RHPAM, RHDM), Apache Activiti, Business Automation Process and Workflow engines**.
- Expertise in **Maven, GitHub, Easy Rules, MongoDB, Amazon Elastic Bean, EC2 and IAM services**.
- Extensive experience in Software Development Life Cycle (SDLC) – Requirement's analysis, Design documents, Coding, and writing Test cases.
- Knowledge & experience of **Agile-Scrum** and **Waterfall** methodology for executing the project product phases.
- Good exposure to **Healthcare** and **Insurance** clients.
- Developed software using **TDD** and **BDD** methodologies.
- 4+ years of experience leading technical teams including managing an offshore development team.
- Expert at bringing clarity and ease-of-use to complex systems and developing guidelines and frameworks for system development.
- Ability to work in a fast paced, challenging environment with excellent debugging and problem-solving skills, strong interpersonal skills, analytical ability, communication skills, and ability to quickly grasp and adapt to the rising technologies.
- Excellent understanding and working knowledge on **JBOSS & JBoss Fuse**.

Professional Experience

- Working as a Technical Architect for Cotiviti from June 2021 to till date.

- Working as a Solution Architect for UST Global from July 2020 to June 2021.
- Working as a Technical Architect for Cotiviti from March 2012 to 2020.
- Worked as a Senior Design Engineer for GE Healthcare – Medplexus from September 2006 to 2012.

Skill Set Summary

J2EE Technologies	Spring Data, Spring MVC, AWS, OpenShift, Restfull web services, Java 8,9,10
Frameworks	Spring Boot, Spring, JPA, Microservices, Hibernate
Tools/IDE/Plugins	Eclipse, Netbeans, STS, SOAP UI, Squirrel SQL Client, JEdit, Gradle, Maven
Web/Application Server	WebSphere, JBoss, Tomcat, Weblogic
Operating Systems	Windows XP, UNIX, Linux, iOS
Scripting Languages	JavaScript, Typescript, jQuery, Angular, AJAX
Database	SQL, PL/SQL, RDBMS, IBM DB2, MySQL
XML	Schema, DTD, XSL, XSLT, DOM
Protocols	HTTP, HTTPS, SOAP
Scheduling Tools	BMC Control-M Enterprise Manger and Denodo Scheduler
Source Controls	RTC, GIT, VSS, Star Team

Educational Qualifications

- B. Tech in Computer Science and Information Technology from Jawaharlal Nehru Technological University, Hyderabad.

PROFESSIONAL EXPERIENCE

**Cotiviti – ICD Interpretive Updates
Technical Architect**

03/01/2019 – 06/25/2020

Description:

IU allows for the definition and capture of MD and CPM decisions for rule impacts from the Annual and Quarterly ICD updates. Interpretive Update contains workflow logic that moves the rules through the review process, creates Stub RMRs, and updates rules with the required configurations to implement the defined decisions.

The main goal of the Research Department is to keep the iHT rules library accurate and up to date. When government or industry changes prompt modifications to medical coding sets, standards or practices, an Impact Analysis determines how these changes may result in adjustments to medical payment policy. When Impact Analysis is run, the IU application generates rule update proposals based on the impact of the review code(s) or mapped same/similar codes on each rule. These system proposals are routed to the Research MDs work queues for review and can then be routed through CPM Review for custom rules, Editorial Review, QA Review, Configuration, and Testing Review as appropriate.

IU allows users to update rules with configuration and editorial changes and then view those changes in RMI. Stub RMRs are generated by the system along with required change logs when updating rules. Manual RMRs are generated by the system to handle exception processing situations. Library rule updates are assessed for eLL Review Requirements and review documents are initiated in eLL. System generated summaries of rule changes are displayed in RMI.

Responsibilities:

- Requirement gathering and analysis.
- Involved in software & hardware design.
- Developed basic framework with functional technology solutions.
- Involve in all the sprint ceremonies, like Sprint backlog grooming, planning, daily stand-ups, Spring retrospective, Sprint Demos etc.

Description:

IU allows for the definition and capture of MD and CPM decisions for rule impacts from the Annual and Quarterly CPT and HCPCS updates. Interpretive Update contains workflow logic that moves the rules through the review process, creates Stub RMRs, and updates rules with the required configurations to implement the defined decisions.

The main goal of the Research Department is to keep the iHT rules library accurate and up to date. When government or industry changes prompt modifications to medical coding sets, standards or practices, an Impact Analysis determines how these changes may result in adjustments to medical payment policy. When Impact Analysis is run, the IU application generates rule update proposals based on the impact of the review code(s) or mapped same/similar codes on each rule. These system proposals are routed to the Research MDs work queues for review and can then be routed through CPM Review for custom rules, Editorial Review, QA Review, Configuration, and Testing Review as appropriate.

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- Involved in software & hardware design.
- Developed basic framework with functional technology solutions.
- Involve in all the sprint ceremonies, like Sprint backlog grooming, planning, daily stand-ups, Spring retrospective, Sprint Demos etc.

**Cotiviti – Reference Data Acquisition
Technical Lead****03/10/2012 – Till Date****Description:**

The Data Acquisition engine was developed to move the procurement of multiple data sources essential to the business of Cotiviti, from a manual process to an automated process, to store metadata required for rule engine. The data source files will be systematically downloaded on a schedule specified by the business team from external websites/FTP's. The files will then be stored in a data repository and used in downstream processes. And data is transformed as business needs and saved into the master data management.

Responsibilities:

- Requirement gathering and analysis.
- Implemented JBPM Workflow's.
- Enabled drools api for workflow engine.
- Involve in design for HLD and LLD.
- Enabled crawlers for automatically discover and scan websites by following links from webpage.
- JAVA/J2EE, Spring Boot Microservices, Spring Data JPA, Spring Rest,
- Involve in all the Sprint ceremonies, like Sprint backlog grooming, planning, daily stand-ups, Spring retrospective, Sprint Demos etc.

**Cotiviti – RCP App's
Technical Lead****03/24/2016 – Till Date****Description:**

The RCP (Rich Client Platform) Apps are a collection of applications written with the Eclipse RCP framework, mainly for taking advantage of its Workspace and SWT (Standard Widget Toolkit, i.e., UI component) features.

Responsibilities:

- Requirement gathering and analysis.
- Support & enhance old application.
- Migrate java 1.6 to 1.8

**Cotiviti – BRAT
Technical Lead**

03/16/2014 – Till Date

Description:

The BRAT is primarily used to validate business rules for both internal and external stakeholders through generation of claim scenarios. The creation of medical claims for testing multiple billing scenarios is a manual, multiple step process which the BRAT seeks to automate. The BRAT provides primary quality assurance functions to test business rule setup and interaction prior to production release. The BRAT also generates test scenarios to enable clients to validate their business logic when utilizing Hit's ICMs Rule Engine prior and post release.

primary steps in the process of testing business rules:

- Create Test Scenarios
- Create Test Claims
- Create Test Files
- Run Files
- Extract files
- Compare Files
- Analyze Results

Responsibilities:

- Requirement gathering and analysis.
- Involved in software & hardware design.
- Developed basic framework with functional technology solutions.
- Involve in all the sprint ceremonies, like Sprint backlog grooming, planning, daily stand-ups, Spring retrospective, Sprint Demos etc.

**Cotiviti – ARD
Technical Lead**

03/22/2012 – 09/23/2020

Description:

The Abstract Rule Definition (ARD) is a high-level view of a sub rule that will be used to interact with a data source to produce a proposal of code updates for that sub rule.

The goal is for the ARD to capture all the subtleties of the Procs Tab configuration, including revenue code and modifier restrictions, date ranges, modifier exceptions, default ranges, overrides, and most importantly, exceptions for individual procedure codes. These subtleties cannot be captured using the Annual Report application. Each

indicator – driven sub rule will have a screen for creating the ARD for quarterly rule maintenance. This will replace the existing parameter screen in Annual Reports. New screens and functionality have been created in Payment Policy Builder to facilitate this work. Only designated users will have the ability to create and edit an ARD. All users will be able to view an ARD

Responsibilities:

- Requirement gathering and analysis.
- Involved in software & hardware design.
- Developed basic framework with functional technology solutions.
- Involve in all the sprint ceremonies, like Sprint backlog grooming, planning, daily stand-ups, Spring retrospective, Sprint Demos etc.

**Cotiviti – Data Acquisition
Technical Lead**

03/14/2012 – 10/22/2020

Description:

Data Acquisition Application is designed as a Service to automatically fetch/acquire data from various external data sources. The detailed information of data sources that are handled both automatically and manually is stored in database and populated on UI for user to review.

All the downloaded file needs to be checked into SVN with the same hierarchy structure stored in local disk. We used the SVNKit.jar which is an official API provided by SVN organization to handle SVN.

Responsibilities:

- Requirement gathering and analysis.
- Involved in software & hardware design.
- Developed basic framework with functional technology solutions.
- Involve in all the sprint ceremonies, like Sprint backlog grooming, planning, daily stand-ups, Spring retrospective, Sprint Demos etc.

Description:

Centricity Advance product suite provides end to end solution to the physicians in managing the patient data. It consists of Practice Management, EMR and EDI modules.

The Practice Management module will be used to register the patients, scheduling appointments, Eligibility verification, preparing claims, submitting the claims in paper (CMS 1500 and UB04) or electronic formats, posting the received payments and tracking the payer reports.

EDI enables the billing clerk to submit the claims to payers or clearing houses and tracking the payments and reports.

Electronic Medical Record is a simple and easy to access system for creating and maintaining patient medical records, which is for use by the physicians.

Responsibilities:

- Requirement gathering and analysis.
- Designing and coding for Practice Management and EDI requirements.
- Implementation of Business Logic using EJB.
- Installations and support to set up the environment at clients systems.
- Implementation & handling the java web start.
- Reviewing the code and test cases.
- Involved in 5010 implementation payer certifications.
- Analyzing, Designing and coding for product backlog items.
- Preparing URS, SDAS, PDDs, Verification and Validation reports.
- Functional and technical guidance to the team.
- Involving in program review meetings.
- Involved in CCHIT & ARRA certification for the CA product.
- Conducting design discussions.

Description:

EHR is designed to maintain the health records electronically and generate various documents like the clinical notes which include medication, diagnosis, appointments and risk alerts related to the patient.

Other major features of the application include provision for structured clinical notes, prescription management system for rapid prescription writing and renewals, disease management and role-based user access to the data.

EHR application ensures security and confidentiality of patient data in accordance with HIPAA regulations. The application enables the generation of electronic reports, eliminating the need of paper-dependent applications and workflows. EHR system enables the automation of the entire clinical workflow and allied documentation.

Responsibilities:

- Requirement gathering and analysis.
- Designing and coding for Practice Management and EDI requirements.
- Implementation of Business Logic using EJB.
- Installations and support to set up the environment at client's systems.
- Implementation & handling the java web start.
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Personal Information

Date of Birth	10/22/1984
Sex	Male
Marital Status	Married
Languages Known	English