**Chigurupati**

**SUMMARY**

* Over 9 years of experience **Object Oriented Analysis**, **Design and Development** using **Java/J2EE** technologies.
* Hands-on experience in developing software systems using **Java** and **J2EE** components like **EJB**, **JSP**, **JSF**, **Struts**, **Spring**, **Spring** **boot**, **Micro** **services** and **Servlets**.
* Experience in **AWS** platform and its features including **IAM**, **Cloud Watch**, **API** **Gateway**, **S3**, **SQS**, **SNS**, **EventBridge** and **Lambda**.
* Deployment of cloud service including **Jenkins** and **Nexus** on **Docker** using **Terraform**.
* Diverse experience utilizing tools in N-tier and **Microservices architecture** applications using Spring Boot, Spring Data, Spring Cloud config, My SQL, Restful Web Services.
* Firm understanding of Micro-service and serverless model way of application architecture.
* Worked extensively with Core Java, Multithreading, and Collections.
* Expertise in developing **REST** and **SOAP** based java web services and developing DTDs, XSD schemas for XML (parsing, processing, and design).
* Proficient in using HTML, CSS, AJAX, Javascript, Typescript, Jquery, Angular 2+ and ReactJS.
* Experience in building end to end web applications using MEAN stack with **Angular 7**.
* Hands on experience in configuration and deployment of multi-tier applications using applications servers like **IBM** **WebSphere**, **WebLogic**, **Tomcat** and **JBOSS**
* Extensive experience in **JDBC** and **Hibernate** for persisting data to different relational databases and extensive knowledge in **Java Persistence API**.
* Developed applications based on **Model-View-Controller (MVC)** architecture using design patterns such as Data Access Object, Business Delegate, Service Locator, Session Facade etc.
* Hands-on experience in using RDBMS concepts with Oracle 11g/10g/9i, SQL Server 2012/08/05, and writing SQL, Stored procedures, Triggers and Views.
* Experience in **React JS** framework to develop the **SPA**.
* Experienced in **React JS** and working with **React Flux** architecture.
* Extensively worked with IDEs like **Eclipse**, **Net** **Beans**, **IBM** **RSA**.
* Experienced with Testing Frameworks like **Junit** Testing.
* Proficient in tools like **Git**, **SVN**, **Jenkins** and **Jira**.
* virtualize the server using **Docker** the test environments and dev environment needs, also configuration automation using docker containers.
* Experienced working under **AGILE** environment, and tracking tasks using tools like **SCRUM**, **KANBAN**.
* Excellent Knowledge in areas such as Test/Behavior Driven Development, Refactoring, Pair Programming (Extreme Programming/XP).
* Excellent interpersonal skills, including the ability to coordinate and motivate team members.
* Very good knowledge of **Pivotal Cloud foundry** setup configuration/maintenance.
* Good experience in using **Log4J**, **JUnit** for testing and **CVS**, **SVN**, **Clear** **Case** for Version Control.
* Ability to learn new things quickly and to work under pressure.
* Proven positive attitude to face new challenges.

**TECHNICAL SKILLS**

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| --- | --- |
| Java/J2EE Technologies | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, Multi-threading, Java Networking |
| Programming Languages  | Java, C, SQL, PL/SQL |
| Web Technologies | JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, Bootstrap, AngularJS/Angular 7. |
| Frameworks | Spring, Spring Boot, Struts and Hibernate. |
| Operating Systems | Windows 7, Windows 10, and Red hat Linux |
| IDE | Visual Studio Code, Eclipse, Idea IntelliJ, NetBeans, RSA |
| Application Servers | JBOSS, Apache Tomcat, WebSphere, web logic  |
| Databases | MS SQL, MySQL, Oracle, DB2, No SQL, MongoDB |
| Testing Methodologies  | Junit, Test NG, Mockito, Postman, Bugzilla, Testopia |
| Messaging Technologies | AWS SNS, AWS SQS, Kafka |
| Web Services | SOAP, micro services, WSDL, XML, XSD, DOM, SAX, JAX-WS, JAX-RS, JAXB, REST.  |
| Design Methodologies | UML |
| Distributed Technologies  | RMI, JMS, SOAP |
| Cloud Technologies | AWS, Lambda, S3, API Gateway, Cloud Watch, Azure |
| DevOps Platform | One Ops, AWS, Azure DevOps |
| Source Control | CVS, Subversion, GIT |
| Tools | Eclipse, SQL\*Loader, Toad, ANT, Maven, JIRA, MS SQL Server Management Studio, WinSCP, Putty. |

**PROFESSIONAL EXPERIENCE**

**Client: Wellmark BCBS, IA. Jun 2020 – Present**

**Lead IT Solutions Developer**

**Project: CKD/ESRD Specialty Program**

Wellmark will implement a specialty CM program designed to intervene with both the member and provider to: coordinate care and educate members about their conditions. SAS analytics is used to identify members with CKD/ESRD based on claims history. A care management episode will be created in Jiva for each member identified.

**Roles and Responsibilities**

* Involved in project kickoff meetings, requirements gathering, design and analysis.
* Designed and coded application concepts in an **Agile/TDD** environment using test driven development.
* Assessed the technical skill set of team members to assign tasks effectively.
* Delegated tasks to programmers and software developers.
* Implemented **Java/J2EE design patterns** such as factory, **DAO** and **singleton**.
* Used **JMS** for asynchronous exchange of critical business data and events among **J2EE** components and legacy systems.
* Used **Spring MVC Framework IOC (Inversion Of Control)** design pattern to have relationships between application components.
* Implementation of **Spring Restful** web services which produces JSON.
* Coordinate code inspection protocols to test the performance quality of products.
* Used **Hibernate ORM** tools which automate the mapping between **SQL** database and objects in **Java**.
* Development of web, enterprise **Java** components, messaging components and **multi-threading**.
* Developed the **AWS Lambda** functions using typescript in node.js environment.
* Developed web application using Angular 13 as frontend and using web API to receive and pass data to backend.
* Involved in setting up build and deploy pipelines using **Azure DevOps**.
* Built the **S3** buckets and configured the eventbridge on **S3** buckets to trigger the **Lambda** functions.
* Managed the **IAM** rules to grant the permissions to S3 bucket to trigger the lambda.
* Used the **PutRule** from **EventBridge** SDK to create a one-time schedule to run the job in the PROD environment.
* Configured the alarms in the **CloudWatch** service for monitoring the servers performance.
* Designed and developed Hybrid-Single Page Application using **Spring MVC**, **Angular 13**, **Webpack**, **HTML5**, **Bootstrap**, and **CSS3**.
* Extensively used **SQL**, **PL/SQL** in constructing views, indexes, stored procedures, triggers, cursors, functions, and relational database models.

**Environment:** AWS Lambda, Cloud Watch, S3, EventBridge, TypeScript, JavaScript, Node.js, NPM, Angular 12/13, HTML5, CSS3, React JS, GIT, TDD, Java 8, Spring, Spring boot, Postman, Visual Studio Code, Eclipse, Microsoft SQL Server, WinSCP, Putty, Azure DevOps.

**Project:** **Point Solutions**

Point solution program is to offer Diabetes Prevention and Management services for members of self-funded groups that choose to buy the program. Wellmark will send member eligibility and claims data to Livongo. IT will reach out to members and will send Wellmark a file indicating enrollment/participation, as well as a variety of reports. An SSO application has been developed to access the Livongo member portal.

**Roles and Responsibilities**

* Involved in gathering project requirements.
* Involved in designing, analysis, and developing various modules
* Worked in Agile Scrum methodology and delivered accepted functionality in each sprint.
* Played a key role in feature implementation and enhancement, code refactoring and defect fixing.
* Designed and developed the web interface using **JSP**, **Servlets**, **Javascript** and **JDBC** for administering users and external vendor files.
* Implemented **Java/J2EE design patterns** such as factory, **DAO** and **singleton**.
* Implemented **J2EE** design patterns like **MVC**, service locator and session facade.
* Developed the **AWS Lambda** functions using typescript in node.js environment.
* Involved in setting up build and deploy pipelines using **Azure DevOps**.
* Built the **S3** buckets and configured the **SNS** notification on **S3** buckets to trigger the lambda functions.
* Amazon **IAM** service enabled to grant the permissions and resources to users. Managed roles and permissions of users with the help of **AWS IAM**.
* Configured the alarms in the **CloudWatch** service for monitoring the servers performance.
* Designed and implement internal reporting system backend **microservices** using **Spring Boot** and **Hibernate**
* Developed a custom **Single Sign-On (SSO)** application using **SAML 2.0** and **OAuth 2.0**.

**Environment:** AWS Lambda, Cloud Watch, S3, SNS, TypeScript, JavaScript, Node.js, NPM, GIT, TDD, Java 8, Spring, Spring boot, Hibernate, Postman, Visual Studio Code, Eclipse, Microsoft SQL Server, WinSCP, Putty, Azure DevOps, SAML 2.0, OAuth 2.0.

**Project: Rare Condition Management**

Rare and complex health conditions generally impact only 1-4% of members but can drive up to 10% of total health care costs. On average, members with rare, complex disease states have a cost of care five times higher than that of other members.

In order to more proactively and effectively manage these members, Wellmark has identified the opportunity to implement the rare condition management program in the individual, small group and large group segments to offer comprehensive care for patients with complex and rare conditions. Using pharmacy and medical claims data, electronic health records (EHRs), health plan and specialty pharmacy referrals, condition-specialized nurses identify members earlier, proactively providing support to better manage their whole condition and delay progression through evidence-based interventions.

**Roles and Responsibilities:**

* Created technology specific roadmaps as directed by the management.
* Demonstrated ability to work well with others under challenging circumstances.
* Conducted scrum meetings, assigned and monitored project tasks to ensure that the team meets overall project goals within the deadline and as per requirements.
* Attended meetings with clients, stakeholders and upper management to discuss the project objectives.
* Made executive decisions to provide direction for the project management.
* Developed applications using **Java**, **J2EE**, **Spring** and **Hibernate**.
* Involved in preparing the High Level and Detail level design of the system using J2EE.
* Development of internal **CI** system, providing a comprehensive API for **CI/CD**
* Migrating existing applications into microservices architecture using **Rest API**s, **Spring Boot**, **Spring Cloud config**.
* Implemented and managed **Puppet** configuration spanning, Staging environments in AWS cloud.
* Implemented **CloudTrail** to capture the events related to API calls made to AWS infrastructure.
* Implemented and designed AWS virtual servers to ensure deployment of web applications.
* Created **Node.js** middleware application server to encapsulate modern JS widget framework and control set.
* Used **Mockito** and **JUnit** for testing the application and App watch to track Queue processing.

**Environment:** AWS Lambda, Cloud Watch, CloudTrail, TypeScript, JavaScript, Node.js, NPM, GIT, TDD, Java 8, Spring, Spring boot, Hibernate, Postman, JUnit, Mockito, Visual Studio Code, Eclipse, Microsoft SQL Server, WinSCP, Putty, Azure DevOps.

**Client: Key Bank, OH Apr 2019 – May 2020**

**Software Developer**

**Project: IBX banking**

Keybank is one of the reputed banks in the east side, IBX application is the main banking application which is the client facing used by customers to make transactions, check balance, etc. In this application we migrated existing functionalities into microservices by breaking down the functionalities like rewards, targeting groups and cash back into individual services. We are also working on the front end migrating the code from angular 1 to angular 7. UI is made more dynamic with device compatibility. New tiles and new features are being added to the IBX banking application.

**Roles and Responsibilities:**

* Build Spring Boot microservices for the delivery of software products across the enterprise.
* Decompose existing monolithic code base into Spring Boot microservices.
* Created client library that provided load balanced and fault tolerant consumption of Spring Boot microservices from monolithic application.
* Created POC of Authentication and Authorization with Oauth2 Spring Boot microservice. Utilized **JWT** as tokenization scheme for **Oauth2**.
* Used NPM for installing required node modules and other published Angular NPM modules.
* Worked Extensively with **Angular CLI** for creating components, Services, pipes, Directives.
* Updated the application with new features of **Angular 7**.
* Designed and developed the application using **Angular 7** framework along with **HTML5**, **CSS3**, **Typescript**, **Javascript**, **Bootstrap**, **Node.js**, **NPM**, **DB2**.
* Moved existing **AngularJS** controllers and services to **Angular 7** components for more responsive and less dependency.
* Enhanced legacy application by building new components in Angular 7 and typescript.
* Developed single page applications using Angular 7, Typescript, WebPack and Grunt.
* Hands on Experience on Angular 7 technology for one complete project in rebasing the UI of the application using the techniques in Angular 7
* Worked in using React JS components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used Web services (**SOAP** and **RESTful**) for transmission of large blocks of XML/JSON.
* Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.js.
* Implemented spring boot microservices to process the messages into the **Kafka** cluster setup.
* Used spring **Kafka API** calls to process the messages smoothly **Kafka** cluster setup.
* Developed CI/CD systems with Jenkins on **Kubernetes** environment, utilized **Kubernetes** and **Docker** for runtime environment for CI/CD system to build, Test and Deploy .
* Responsible for installation and configuration to support various **Java** builds and **Jenkins** plugins to automate continuous build and publishing **Docker** images to **Nexus** repository.
* Developed code using Design Patterns like DAO, Factory Pattern, Singleton and Value Objects.
* Used **Agile** Development methodology of software development.
* Used **Git** version control technology and **JIRA** to track problems.

**Environment:** Angular (1/6/7), Angular CLI, TypeScript, JavaScript, Node.js, NPM, JQuery, Bootstrap, Ajax, HTML5, CSS3, React JS, GIT, TDD, Jasmine, Karma, Java 8, Spring, Spring boot, Kafka, Tomcat, JIRA, Postman, Visual Studio.

**Client: Sam's Club, Bentonville, AR Aug 2018 – Mar 2019**

**Full-Stack Java Developer**

**Project: Sams pricing mainframe elimination**

Sam's pricing is used by Sam's club to maintain pricing globally, the project works on changing the pricing, discounts and when item pricing needs to be removed. These prices are maintained based on various factors like location, wholesale cost, distribution cost etc. In this project we removed some of the existing functionalities and added new functionalities as per business requirement. Apart from making code changes to existing functionalities we worked on to remove mainframe dependency on this application using Microsoft azure.

**Roles and Responsibilities:**

* Responsible for the analysis, documenting the requirements of the application based on **J2EE** standards.
* Prioritized and scheduled daily activities for the pricing application.
* Supported offshore team with setup of pricing application in local.
* Debugged and documented all the functionalities in pricing application.
* Created watermark tables and stored procedures in **Azure Data Factory**.
* Created incremental pipelines and maintenance pipelines in **Azure Data Factor** for continuous sync.
* Performed bulk data transfer in **ADF**.
* Researched and created POC’s for **AVRO** Schema Registry using **Spring Cloud**.
* Created POC’s for publishing and capturing **ADF** event triggers using **Apache** **Kafka**
* Implemented to reprocess the failed message in **kafka** using offset Id.
* Debugged and fixed production issues.
* Selecting the appropriate AWS service based on compute, data, or security requirements.
* Experience in Integration of **Amazon Web Services AWS** with other applications infrastructure.
* Setting up **AWS** **Oracle** **RDS** databases for a new project, use a data pump to migrate data to **Relational Database Services (RDS)**.
* Used Jenkin pipelines to drive all microservices builds out to docker registry and then deploy to **kubernetes**. Created pods and managed using **kubernetes**.
* Created technical documents and interacted with business users on the current functionalities and future requirements.

**Environment:** Microsoft Azure, Kafka, Spring Cloud, DB2, Java 8, Spring, Spring MVC, Maven, Jenkins, Hibernate, Tomcat, TeamForge, JIRA, OneOps, Postman, Soap UI.

**Client: VIXXO, MD Aug 2016 – Jul 2018**

**Full-Stack Java Developer**

**Project: Consumer Service console**

VIXXO is one of the leading facility services provided for retail companies. CSR console is a web-based solution that provides a timely and Cost-effective means of support and services to retail companies. Consumers can raise a service request in the console and can track the support progress. Console provides a common platform for clients, service man and management to track progress.

**Roles and Responsibilities:**

* Involved in gathering project requirements, design, analysis, and developing various modules.
* Developed application in a **CI/CD** and **ATDD** environment.
* Worked on Core Java and its libraries in creating the java web application's business Logic.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using **Hibernate** template and **Spring IOC (Dependency Injection)**.
* Used **Spring Framework AOP** Module to implement logging in the application to know the application status.
* Used **Spring MVC Framework IOC (Inversion Of Control)** design pattern to have relationships between application components.
* Implementation of **Spring Restful** web services which produces JSON.
* Worked extensively on spring boot for building web services.
* New library development with micro services architecture using Rest APIs, spring boot and pivotal cloud foundry.
* Used Object Oriented Programming and Multi-Threading.
* Design and development application with Struts 2 framework using **MVC Model2 Design pattern**
* Experience in installation, configuration, Deployment and management of web and enterprise applications on **BEA Weblogic Server 8.1/9.x/10.x** and **JBoss Application servers**.
* Used Nexus repository to download and store JARS required for project, configured dependencies in the pom.xml and enhanced with sonar plugin to check unit test coverage and code quality in SonarQube.
* Wrote services to store and retrieve user data from the **MongoDB** for the application on devices
* Used JSP to create the front end. Used **JavaScript** to validate the data entered by the User.
* Implement modules into Node.js to integrate with design and requirements.
* Used JSP to create the front end. Used JavaScript to validate the data entered by the User.
* Upgraded existing UI with **HTML5**, **CSS3**, **JQuery** and **Bootstrap** with **AngularJs** interaction to provide cross browser support.
* Implemented performance oriented CSS selector, scalable and modular CSS approach for front-end architecture.
* Refactored **Micro services** to make it RESTful, thread-safe, and more configurable; went live without problems.
* Developed REST Web Services to hit other internal and external API's to perform a task.
* Used Postman and **SOAP UI** client to test the URL get, post responses of the application.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Used **JQuery** to develop the widgets and to perform the client side validations, UI centric Ajax behavior.
* Generated POJO classes to map to the tables in the database using the JPA-Hibernate integration
* Developed client-side **AJAX** application that uses JavaScript.
* Setup Continuous Delivery pipeline using Jenkins and Sonar server, the infrastructure to run these packages and various supporting software components such as Maven, etc.
* Used **GIT** repository for source code maintanance.
* Co-ordinate with QA for testing existing components and newly developed components.
* Successfully deployed into Production (Tomcat) with no issues and provided warranty support where minor enhancements were delivered as per application requirements.
* Created Turn over documents for support teams and provided complete KT on domain and application.
* Involved in Production Support and minor enhancements as per application requirements.

**Environment:** Java, J2EE, Spring Boot, Spring Cloud Config, MongoDB, Micro services, Hibernate, REST services, AWS Lambda, Angular Js, JSP, JavaScript, HTML5, CSS3, JSON, Jenkins, Maven, Nexus, GIT, Tomcat 8, SONAR, SonarQube.

**Client: Dynacoral, Hyderabad, India Aug 2013 – Apr 2015**

**Java/J2EE Technology Analyst**

**Project: Employee Resource Management**

Employee Resource Management is a web based application portal that enables efficient scheduling and assignment of resources. It has three distinct modules that manage Employees, Projects and the Client. There are multiple roles in the application with varying degrees of features and functions available. The admin role can manage all the resources, employees, assignments, track the progress of the projects, and run different reports on demand. The manager role can only see and adjust the resources of employees under the project he/she is responsible for. And finally, the mentor role has the capability to schedule and arrange classes and seminars for the technologies related to the projects on hand.

**Roles and Responsibilities:**

* Involved in gathering project requirements, design, analysis, and developing various modules.
* Created of Integration design documents and Technical Design Documents for the requirements.
* Designed and implemented the User Interface using Google's **AngularJS** **MVC** framework (which means JavaScript, HTML, and CSS), **JQuery**, **Underscore** **JS**, **JSP** and **AJAX**.
* Used Struts Framework in the application which is based on MVC design pattern and integration with ORM framework **Hibernate**.
* Configured **Hibernate** Objects as **Spring** **Beans** in spring configuration file.
* Used **Hibernate Persistence Strategy** to interact with database.
* Used **Struts Validation** and **Tiles** framework in the presentation layer.
* Used **Java Message Service JMS API** for reliable and asynchronous exchange of important information
* Extensively used **Spring IOC AOP** configured Application Context files and performed database object mapping using hibernate annotations.
* Used Spring Framework for Dependency injection and integrated with the Struts Framework and Hibernate.
* Implemented custom validations for forms with the help of **AngularJS** validation.
* Used **DAO** design pattern to retrieve the data from the database.
* Used **SAX** and DOM XML parsers in the application.
* Used **UNIX** commands and Shell scripting.
* Used Web services for sending and getting data from different applications using SOAP messages.
* Used **CVS** for version control.
* Used **Hibernate** to access **Oracle** 9i database for accessing customer information.
* Used **JUnit** framework for Unit testing of application.
* Deployed the application on **Tomcat**.

**Environment:** Java, Struts, spring, Hibernate, JMS, Shell Script, DOM XML, CVS, Oracle 9i, MS -Visio, Junit, Log4j, Tomcat.

**EDUCATION**

* Masters in Computer Science – Virginia International University, 2016.
* BS in Computer Science – Karunya University, India, 2013.