**Chaitanya Manipi**

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**Professional Summary:**

* Have IT experience of around 8 years in Full Stack Development with design, development and maintenance of enterprise level distributed web-based software and client/server applications using **Java/J2EE technologies**. Led the design, development, and implementation of complex Java applications, ensuring adherence to coding standards, best practices, and industry standards on various projects for 3 years.
* Proficient with Software Development Life Cycle process and experience in using **Waterfall, Agile, and Scrum methodologies.** Proficient in implementing Test Driven Development.
* Expertise in programming with **HTML5 / XHTML, CSS3, JavaScript, AJAX, Bootstrap and JSON, and used HTML5/XHTML to create structured content on web pages, AJAX to update parts of webpage without reloading the entire page and Bootstrap to build responsive and mobile first applications.**
* Hands-on experience on the development of the interactive UI one-way data flow, **virtual DOM, JSX, React Native** components, forms, **React router and Redux architecture**.
* Experienced in developing SPA (Single Page Application) by using **Angular** features like pipes, routing, data binding, events binding, components, service, Dependency Injection, directive, Observable, Forms, Reactive Form and Angular CLI. Solid understanding of React/Angular rendering theory.
* Expertise in Core Java concepts, such **as Lambda expressions, Multi-Threading, Generics, Exception Handling, Collections, Java Reflection, Annotation, Synchronization, Serialization, De- serialization, Nest-Based Access Control, Enhanced key tool** and **Javadoc and Epsilon** and other features in **Java 8/11.**
* Designed microservices and used swaggers bottom-up approach using **Spring boot, Java 8/11** to design and implement scalable, maintainable, and reliable microservices-based applications.
* Developed **Rest API** to processes the data from DB to another **Rest Service** and built robust and scalable systems that meet the needs of modern web applications.
* Experience in implementing the various services using Microservices architecture in which the services working dependently, implemented **Spring Boot Microservices** to divide the application into various sub modules, **Pivotal Cloud Foundry (PCF)** and Engagement using **Spring Boot**.
* Expertise in **Spring framework** using Modules like **Spring Core, Spring IOC, Spring Mongo, Spring JDBC, Spring Context, Spring JMS, Spring AOP, Spring Batch, Cloud Data and Spring Cloud Data Flow.**
* Experience in messaging queue services like **JMS**, **IBM MQ, Rabbit MQ, Active MQ**, **Apache Kafka** and developed **Kafka** as a distributed publish-subscribe messaging system that can handle a high volume of data.
* Extensive backend testing executed **SQL** queries on Teradata**, Oracle, DB2,** and **Hadoop**, SQL server tables in order to view successful transactions of data and for validating data.
* Solid understanding of **NoSQL Database (MongoDB and Cassandra)** and experienced in writing MongoDB queries, data structure design, Data Modelling in MongoDB, in performance tuning and in handling big data.
* Management tools like **GitHub, Bitbucket, GitLab** and defined the branching strategies.
* Good experience on working with services in **AWS** like **EC2, S3,** Simple **DB,** **RDS, Elastic** Load Balancing, **SQS,** Identity and access management, CloudWatch, EBS and CloudFront.
* Good Knowledge on **Microsoft Azure Cloud**. Used different azure services such as **Azure Virtual Machines**, **Azure Kubernetes Service (AKS),** **Azure Storage** and **Azure DevOps**.

**TECHNICAL SKILLS:**

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| --- | --- |
| Languages | **C/C++, Java(proficient), Python.** |
| Java/J2EE | **JDBC, JNDI, EJB, AWT, Servlet2.x, JSP, JSTL, JSF, JMS, JDBC, JPA, Spring and Hibernate.** |
| Tools and Framework | **Angular 4/6/7/9, Struts, Spring 4.x, Hibernate4/3, JPA, Spring MVC, Spring, Integration, JPA, JSF, Log4J, Junit, SOAP UI, Maven, Kafka, Selenium, SonarQube Log4J, Junit, Ant, Mockito, Maven, UML, Rational Clear case, CVS, Karma.** |
| Scripting Languages | **JavaScript, HTML5, CSS3, AJAX, XML, Angular, Python, SHELL and Pearl, CSS**pre-processors |
| Databases & Clients | **Oracle 8i/9i/10g/11g, DB2, MySQL 5.x, SQL Server 12.0, MongoDB, Cassandra, Postman, SOAP UI** |
| Version Control | **Git, CVS and SVN** |
| Web API’s | **REST, SOAP, JAX-RS, JAX-WS and JAXP** |
| Web Servers | **Apache Tomcat, WebLogic, JBOSS, Glassfish, Apache HTTP server** |
| Methodologies | **Waterfall, Agile, Scrum, Test Driven Development** |
| IDE and Containerization | **Eclipse, Visual Studio, PyCharm, IntelliJ, Docker, Kubernetes** |
| Cloud Technologies | **AWS, Azure and GCP** |
| Project Tools Build Script | **Jira, Scrum Master, Bugzilla, Gradle, Maven** |
| OS and Environment | **Windows, Unix, Linux (RHEL, Centos, Ubuntu) and Mac** |
| Technologies | **Java Servlets, JSP2.0, HTML5, AJAX, XHTML, DHTML, CSS3, Flash, JavaScript2.0, Angular JS, Angular 5, Node JS, Ext JS, BootStrap4, JMS** |

**PROFESSIONAL EXPERIENCE:**

**UPS(Federal), Parsippany, New Jersey August 2022 - Present**

**Sr. Full Stack Developer**

As a full stack developer at UPS, I was responsible for designing, developing, and maintaining scalable web applications using **Java** technologies. I was also utilizing **Amazon Web Services** and **OpenShift** to deploy and manage these applications effectively.

**Roles and Responsibilities:**

* Used Pagination component of**jQuery**for navigation and used **DOM**and **AJAX**to display page contents. Used **DOM** and **AJAX** to create dynamic update to specific parts of the page without requiring a full-page refresh.
* Designing and implementing backend services and APIs using Java frameworks like Spring Boot. Developing frontend components using modern JavaScript frameworks (**Angular**) to create a seamless user experience.
* Involved writing modules using **Angular** as a view engine to build component-based application. Created reusable **Angular** components.
* Set up the build and deployment automation for Java base project by using **Jenkins** and **Maven**. Setup the continuous Integration (CI) and continuous Deployment (CD) process for the application using the Jenkins.
* Implemented Java 11 features like utility methods, local-Variable Syntax for Lambda Parameters, Nested Based Access Control and Reading/Writing Strings to and from the Files.
* Used Design Patterns like Singleton, Business Delegate, Service Locator, DAO, DTO and MVC in the development of multi-Tier distributed Enterprise Applications.
* All the functionalities are implemented using **Spring Boot** and **Hibernate ORM**. Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
* Responsible to create **DAO** CRUD methods using **Hibernate & Spring framework.** Wrote **HQL** to handle data from databases using Hibernate APIs such as create Query.
* Developed the user authentication and authorization by using **Spring Security OAuth2.0** and **JSON Web Token.**
* Implemented various design patterns such as **Singleton, Bridge, Abstract Factory, Decorator, and Iterator.**
* Designed microservices and used swaggers bottom-up approach using **Spring boot, Java 8/11, REST, JIRA, AWS S3, AWS lambda, AWS CI/CD pipeline, load balancer.** Designed and developed the **REST based Microservices**using the **Spring Boot.**
* With the help of Data Source concept connected the Database and retrieve the information from DB and designed one Rest Service to display the output.
* Deployed **Rest API** to processes the data from DB to another Rest Service. Used **SOAP UI tool** to test the REST web service operations.
* Involved in designing of **automation framework** to be used in API testing with **postman, JavaScript and json and** used **Postman** & **SOAPUI** for rest service and SOAP testing.
* Worked with backend testing tools and frameworks, such as **Postman, SOAP UI, JMeter, Selenium,** and skilled in writing and executing test cases, test scenarios, and test plans for backend systems.
* Used **RabbitMQ** to manage message-based communication between applications and services and to ensure reliable and scalable communication between distributed systems.
* Developed serverless applications using DynamoDB as a NoSQL database, implementing efficient data models and leveraging features like DynamoDB Streams for real-time processing.
* Deployed and managed containerized applications using EKS, leveraging Kubernetes for orchestration and scaling Java microservices.
* Design and development of the exception management workflow using Oracle BPM. Configured Server for Oracle Database and Apache Tomcat. Wrote complex SQL statements to retrieve data from the DB2 database. Wrote SQL stored procedures and used JDBC API. Created complex SQL queries, stored procedures, joins and SSIS packages.
* Used Servlets and JSP's in developing the web application on Apache Tomcat 7.
* Created SOAP testcases for different test scenarios and integrated the test suite to **Jenkins**. Involved in setting up continuous integration system using **Jenkins** and with cloud-based code repository system like **GitHub**
* Developed build scripts using **MAVEN** as the build tools for the creation of build artifacts like war or ear files. Used centralized version control system such as **Subversion (SVN)** and distributed version control system such as **Git**.
* Lead a team of developers in the design and development of complex Java applications using AWS services such as EC2, S3, RDS, and Lambda, resulting in increased scalability, reliability, and cost-effectiveness.
* Used DevOps practice for Microservice and docker based cluster using **Kubernetes and spinnaker** as Orchestrator on application development for cloud platforms using like **Spring boot, Microservices**.
* Designed and deployed AWS Solutions using **EC2, S3, EBS, Elastic Load balancer (ELB)** for auto scaling.
* Worked at optimizing volumes and **EC2** instances and created multiple VPC instances. EC2 instances helped me with flexibility and scalability to run a wide range of applications and workloads in the cloud.
* Identified inefficiencies in existing workflows and implemented process improvements using **Atlassian** tools, resulting in enhanced team productivity and streamlined operations.
* Implementing **JIRA, JIRA Agile** and Confluence practices to help the organization to improve collaboration, streamline processes and increase productivity.

Technical Stack: **jQuery, DOM, AJAX, Angular,** **HTML5, CSS3, Bootstrap, Spring, MongoDB, Qunit, Jasmine, IBM Rational Rose, Microsoft Visio, Spring boot, Java 8/11, REST, JIRA, AWS S3, AWS lambda**

**Experian, Costa Mesa, CA January 2020 - August 2022**

**Full Stack Developer**

Experian is a global information services company that provides data and analytical tools to help businesses manage risk, prevent fraud, and make more informed decisions. I am responsible for leading the team for developing, maintaining, analysing, and modifying the major web application for customers’ accounts, billings, statements, services, and webservers to maintain the regular updates using resources like Angular, Spring and Hibernate.

**Roles and Responsibilities:**

* Used **Angular JS**as framework to create a **Single Page Application (SPA)**. Used **Angular JS, Node JS,**and **Bootstrap**in effective web design.
* Refactored and enhanced an existing **Angular JS**application to follow strict MVC patterns for improved source code maintenance which resulted in significant percentage of code reduction, ease of upgrade, scalability, ease of developer spins up and enhanced performance.
* Involved in enhancement of existing application utilizing **Angular JS**created role-based HTML navigation menu where in menu items changes dynamically based on the values derived from the database in form of XML.
* Developed, planned, and implemented automated test cases based on software requirements and technical understanding, as well as developed and extended the current test automation infrastructure to be more efficient, both in execution and reporting.
* Involved in writing the stateless session beans using **Session Facade design pattern**. Developed the application using **Front Controller, Business Delegate Factory Pattern, Data Access Objects, Singleton**.
* Wrote SQL queries and Stored Procedures for interacting with the **Oracle database**.
* Wrote various stored procedures in **PL/SQL** and **JDBC** routines to update tables. Wrote various SQL queries for data retrieval using **JDBC.** Involved in creating the tables using SQL and connectivity is done by **JDBC.**
* Solid understanding of **No SQL Database (MongoDB and Cassandra**). Migrated Database from SQL Databases (**Oracle and SQL Server**) to NoSQL Databases (**MONGODB**).
* Used **Selenium** as the automation tool and **Team Foundation Server** (TFS) for Identifying, logging, tracking and escalating bugs as the defect management tool.
* Involved in **Maven**configuration for running servers and scripts after the build. Designed Automation Test cases using **Selenium** WebDriver, Java, **Maven**. Used **Selenium** WebDriver to handle various web page controls like textbox, button, dropdown.
* Used Message Queues services like **Apache Kafka** **for** communication between sender and listener.
* Extensive B2B development works **on BEA WebLogic, IBM WebSphere and JBoss Application servers.**
* Strong experience in handling different Web Servers likes **Apache Tomcat.** It provides a robust and flexible platform for deploying web applications of any size, and it is widely used in production environments around the world.
* Administered Apache servers 2.2.1 & iplanet 6.1 on **Red Hat Linux 5.0 and Solaris,** installed Apache and iplanet web server proxy front-end and created self-sign certs and installed vendor certs for Apache, iplanet web server.
* Used **AWS Cloud**platform and its features which include **EBS, AMI, SNS, RDS, EBS,** **CloudWatch, Cloud Trail, CloudFormation, Autoscaling, CloudFront, S3, and Route53.**
* Configured **AWS IAM**roles and Security Group for **Public and Private Subnets**in VPC. AWS IAM provides a centralized and secure way to manage access to AWS resources. By using IAM, I was able to control access to AWS resources, delegate permissions to trusted entities, and protect the resources from unauthorized access.
* Created **EC2**instances by setting up virtual private cloud (VPCs**)**, and security groups. To do so I had to create a VPC, create a Subnet, create a Security Group, launch an instance, and then connect to the instance.
* Used **MAVEN** as a build tool on java projects for the development of build artifacts on the source code. Maven helped me manage project dependencies, execute different stages of the build lifecycle, and automate many common development tasks.
* Set up **CI/CD** pipelines for Microservices on **AWS** using App services. To set up CI/CD pipelines we used AWS Code Commit, AWS Code Build, AWS Code Deploy, AWS Code Pipeline, AWS Elastic Beanstalk and AWS Lambda.
* Installed and configured **Jenkins** with **SonarQub**e, built artifacts using **Maven** automation tool and stored the build artifacts into **Jfrog** repository.
* Created quality gates in **SonarQube**dashboard and enforced in the pipelines to fail the builds when conditions not met. SonarQube helped us in improving code quality, preventing technical debt, catch code issues early in the development cycle, reduce technical debt, and improve the overall quality of our software.
* Tested SOAP web services by using **SOAP UI** tool. Used SOAP UI for Service Simulation, Security Testing, Security Testing, and Integration.
* Used **Postman** for API testing and automation, including API design, documentation, collaboration and used tested APIs using different methods, such as GET, POST, PUT, and DELETE.
* **Agile/SCRUM** was used as the project management methodology and JIRA & Confluence were the tools used to keep things in check. Worked with the **JIRA** tool for Quality centre bug tracking.
* Analysed and resolved production system problems tracked with **Rational ClearQuest** and **JIRA.** They helped us in change management, workflow management, customization, integration, and reporting.

Technical Stack: **Angular JS, Node JS, Bootstrap, SOAP UI**, **Selenium, Model-View-Controller (MVC), Oracle database, JDBC, MongoDB, Cassandra, BEA WebLogic, IBM WebSphere and JBoss Application servers,**

**PUMA, Seattle, WA October 2017-December 2019**

**Role: Java Developer**

Puma is a brand with its own athletic shoes & apparel, backpacks & other accessories. I was the team lead for this project for almost 3 years. My team and I developed and application that the call centre employees use to help customers pay their bills. The application also helps the users understand their account behaviour and get new offers. Employees can see the previous records and give suggestions to the customers about their billing information.

**Roles and Responsibilities:**

* Involved in Requirements gathering, analysis, design, development, testing and Maintenance phases with **Agile.**
* **Used HTML5**, **CSS3**, **JavaScript**, **AJAX**, and**JSON** for front end web development.
* Used **Bootstrap** for responsive design which allows users to access it from any device.
* The presentation layer used **Spring MVC** to implement the MVC architecture design and facilitates user interface designed by use of **Angular components, directives, filters, services,**and**router modules**.
* Used **Angular JS** to create views to the DOM and synchronize data with server as a Single Page Application (SPA).
* Built Web pages using **jQuery plugins for Drag and Drop, JQ-Validator, AutoComplete, AJAX, JSON, Angular JS.**
* Implemented **Apache CXF** to create **SOAP** based **Restful** web services. And created **WSDLs** as per wire frames, UI pages generated client jars using **JAX-WS**.
* Deployed **Spring Boot** based **Micro-Services in Docker container**byusing **AWS** admin console.
* Maintained and expanded **AWS (Cloud Services)**infrastructure using **AWS Stack,**defined **AWS Security**Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more **AWS EC2 instances.**
* Creating **alarms**and notifications for **EC2 instances**using **Cloud Watch.**
* Installed the application on **AWS EC2 instances**and configured the storage on **S3 buckets.**
* Configured **AWS Identity and Access Management (IAM)**Groups and Users for improved login authentication, auto scaling the instances to design cost effective, fault tolerant and highly reliable systems.
* Using **Kafka**for Publish/Subscribe pattern in application dealing with messaging.
* **Multithreading**was used to process data in chunks to improve performance.
* Worked with **Web Sphere Application Server** as application server.
* Used version control repository **SVN** (Subversion by Apache) and **JIRA**for issue tracking.
* Utilized Amazon S3 for storing and retrieving large volumes of data, implementing lifecycle policies and versioning for efficient data management in Java applications.
* Used **Maven** as a build tool and retrieved all the dependencies required for the application.
* Designed and implemented Java Classes to use**JAXP** parser to create Java objects to be able to modify the data received in the response.
* Written **SQL** queries, **PL SQL stored procedures, functions, triggers, cursors, sequences,** and **indexes** which are going to be invoked by Batch processes.
* Managed and maintained **Oracle and NoSQL (MongoDB)** databases in production domain
* Participated in migration to **DB2** data base from **Oracle DB**.
* Experience with **JUnit** tests for every single piece of functionality before writing the functionality.
* Done with Unit testing using **MOKITO**.

Technical Stack: **Agile**, **Angular JS, Node JS, HTML5**, **CSS3**, **JavaScript**, **AJAX**, **JSON**, **Bootstrap**, **Spring MVC,** ReactJS, **jQuery, JQ-Validator, AutoComplete, AJAX, JSON, Angular JS, Apache CXF**, **Spring Boot**, **and**

**Elevance Health, Indianapolis, IN May 2016 - October 2017**

Role: Full stack Java Developer

**Roles and Responsibilities:**

* Developed application on **Spring framework** by utilizing its features like Spring Dependency injection, Spring Web flow using **Spring MVC**.
* Worked on **Spring MVC** application with XML configurations and annotations. Used Dispatcher servlet to route incoming requests, controllers to handle requests and Model to send values to user interface.
* Created and enhanced websites for clients to increase online presence and sales by using some of the latest technologies, including **JavaScript, CSS3, HTML, jQuery UI**, handlebars.
* Implemented **RESTful web service** (JAX-RS) and worked with **REST and SOAP** Web Services for data communications and transferring **JSON** data between two interfaces.
* Implemented **Microservices Architecture, Spring boot**-based services interacting using **REST, SOAP** and deployed it to cloud.
* Involved in developing applications using **Angular.JS** like Grids, Toolbars, Panels, Combo-Box and Button.
* Made calls to the EJB managing the business logic from **servlets** to process data before sending it to client.
* Strong programming skills in designing and implementation of multi-tier applications using web-based technologies like **Spring Boot.**
* Used **MAVEN and ANT** as build tools for building of deployable artifacts (**JAR, WAR & EAR**) from source code.
* Used **SVN** for version control.
* Proven ability to lead an active, skilled DevOps AEM Administrator team in a Team Lead capacity supporting **Adobe Experience Manager (AEM)**
* To achieve Continuous Delivery goal on high scalable environment, used **Docker**coupled with load-balancing tool **Nginx.**
* Virtualized the servers using **Docker**for the test environments and dev-environments needs, also configuration automation using **Docker**containers.
* Set-up databases **in GCP using RDS, storage using S3 bucket**and configuring instance backups to S3 bucket. prototype CI/CD system with GitLab on GKE utilizing Kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* Integration of Tempo Time Tracking Tools in **JIRA.**
* Create team specific Agile process flow in **JIRA** to move tasks from one activity to another.

Technical Stack: **Spring framework**, **Spring MVC**, **JavaScript, CSS3, HTML, JQuery UI, RESTful web service** **REST, SOAP,** **Microservices Architecture, Springboot, Angular.JS, MAVEN, ANT, JAR, WAR, EAR, Adobe Experience Manager (AEM), Nginx, GCP and JIRA.**