**Prasanti K**

**Sr. Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* **Over 8.5 Years** of experience as a **Software Developer** in **Analysis, Design, Development** and **Testing** and **Implementation** of applications on **Java/J2EE** technologies and Implementation in Amazon Web Services (AWS) cloud and IT industry.
* Experience in JDBC**, Multi-Threading**, Java Concurrency utilities etc., and advanced Java concepts like **JSP, Servlets, Hibernate, Struts, spring, Spring** Annotations and Web services.
* Experienced in web development using **HTML, DHTML, XHTML, CSS, JavaScript and AJAX** technologies.
* Experience designing databases, **ORACLE 8i/9i/10g, MySQL and SQL Server**.
* Strong Database design and development experience, which includes designing, data modeling, stored procedures, functions, triggers etc. using **SQL and PL/SQL**.
* Developed different Web components such as **JSPs, Servlets, Custom Tag Handlers** and business components such as Web Services.
* Experienced in developing applications using **Apache Tomcat, BEA Web Logic, and JBoss**.
* Experience in implementing the **MVC architecture** in backend applications.
* Experience in designing User Interface (UI) web applications using **HTML5**, **CSS**, **Java Script**, **jQuery**, **AngularJS, AJAX, JSON,** and **MVC**.
* Extensive development experience in web applications **using Java 8/7/6/5, J2EE, JSP, Servlets,** and **APIs** like **JDBC, JNDI, XML, JavaBeans.**
* Contributed as key resource of the **Angular 6 Framework Team in conversion of existing (XMI) UI screens of the application to Angular 6 based UI.**
* Sound background in Planning, Installation and Administration of **IBM WebSphere MQ**, WebSphere MQ FTE and **IBM WebSphere** Message Broker.
* Experience with container-based deployments using **Docker**, working with **Docker images**, **Docker Hub** and Docker-registries and **Kubernetes.**
* Proficient with development of **Restful Web Services** using **JAX-RS** framework for exchange of **JSON** and **XML** representations.
* Expertise to interact with relational databases using **ORM frameworks** like **Hibernate**, spring.
* Developed and deployed **Micro Services based applications** using **Spring Boot** and **Spring Cloud**.
* Excellent technical knowledge in back-end **RDBMS** tools like **Oracle 9i/10G/11G and MySQL.**
* Strong Knowledge of Object Oriented Design Methodologies such as **Polymorphism**, **Inheritance** and **Encapsulation**.
* Experienced in **build tools like Ant and Maven, Log4j for Logging and JUnit for testing.**
* Expertise in using **J2EEApplication Servers** such as IBM **WebSphere, WebLogic, JBoss** and Web Servers like **Tomcat 5.x/6.x**
* Worked exclusively with the **Teradata SQL** Assistant to interface with the Teradata.
* Experience in building application using the **MEAN stack: MONGODB, Angular JS, Express.js and Node.js.**
* Extensively used **IDE** for Application development like **RAD, Eclipse, Net Beans**
* Experienced in database **GUI/IDE Tools** using **TOAD and MySQL Client**
* Experienced in handling Version Control Systems like **SVN and GIT.** Experiences with build tools include **Maven**, **Gradle** and **Jenkins** Version.
* Working experience with the operating systems like **UNIX, Solaris** and **Windows**
* Hands on Experience in **Amazon web services (AWS)** in migrating java applications to the cloud using EC2, S3 and object storage container to store and retrieved secured files, from API.
* **AWS Lambda** to extend other **AWS services** with custom logic or create your own back-end services that operate at AWS scale, performance, and security.
* Built the Docker images using Docker Tool and pushed the images to Dockyard Repository and deployed the payload using JSON files in different **AWS Environments using Jenkins**.
* Good Working knowledge in AWS such as Rehydration, Configuring and Deploying Instances (**Amazon EC2** and **Amazon S3**).

# EDUCATION:

# Bachelors in computer science from JNTUH--2014

**TECHNICAL SKILLS:**

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| **Web technologies** | Java 1.8/1.7,J2EE (EJB2.0/3.0, Servlets, JSP, JNDI), AngularJS, Node.JS, XML, SOAP, REST, Restful, JDBC, Bootstrap, JSON. |
| **Frameworks/ORM tools:** | Spring 4.0.3, Struts 2.0, Hibernate 4.3.5 |
| **Database** | JDBC, Oracle 11g/10g/9i/8i/, SQL Server 7.0 and MySQL. |
| **IDE** | Eclipse 3.0, Net Beans. |
| **Operating Systems** | UNIX, Linux, Windows NT/2000/XP/Vista/Windows. |
| **App Servers/ Middleware** | Tomcat, WebLogic, JBoss,EAP 7.x, WebSphere 7.0/6.x, Apache Tomcat 7.x, |
| **GUI** | HTML5, XML, XSLT, AJAX, JavaScript, CSS, JQuery |
| **Query Languages** | SQL, PL/SQL. |
| **Programming Language** | Core Java APIs (I/O, Thread, Collection), C, C++. |
| **Design patterns** | Business Delegate, Business Object, Value Object, Front Controller, Database Access Object, Factory, Singleton, Session Facade. |
| **Tools:** | JUnit, ANT, Log4j, ANT, Maven, Toad, Jasper Reports, JIRA. |
| **Design, Methodologies & Control** | UML, Rational Rose, SVN, GIT. |

**PROFESSIONAL EXPERIENCE:**

**USAA, Remote Feb 2019 – Present**

**Sr. API Java Developer (Node.js)**

**Responsibilities:**

* Worked on all phases of Agile software developing methodology for developing application
* Designed the application based on the architecture of the MVC design pattern.
* Involved in developing HTML and JavaScript for client side presentation and data validation on the client side within the forms.
* Developing Microservices, and creating API's using Java Spring Boot framework using Maven as a build tool and used Postman to test the API's, JIRA for bug tracking and project management, JUnit and Mockito for Java unit tests.
* Worked for developed RESTful web services using JAX-RS, Apache CXF and spring frameworks and persistence using Hibernate and JPA ORM frameworks.
* Designed the SharePoint hosted app as a windows Azure web role.
* Responsible for configuring the apps to OpenShift v3 and containerization of apps using Docker.
* Designed and developed dynamic web pages using Angular 7
* Built Angular 7 components, UI services to consume rest services using Component based architecture provided by Angular 7.
* Developed **microservices**with spring and tested the application using Spring Boot.
* Used JDBC extensively for database transactions.
* Developed web pages accessible by following WCAG 2.0 guidelines.
* Used cascading style sheets (CSS3) for describing the presentation semantics of web pages.
* Built, integrated, tested application on WebSphere application server.
* Worked on implementing various Java EE design pattern recommended by Java EE pattern catalog.
* Implemented Web Services (SOAP) for transmission of large blocks of JSON data over HTTP.
* Created and deployed web services using REST framework.
* Avoided security issues by avoiding threats defined in OWASP Top 10.
* Implemented the Redis Cache Service on Azure and integrate with Web API to cache user sessions.
* Involved in development of User Interface using XSLT, HTML, JavaScript, Ajax, Dojo and Java Server Pages Standard Tag Library JSTL.
* Design and develop java restful services that communicate with the SQL database on the backend and returns Json format data using spring, Jersey restful, JAX-RS, Hibernate.
* Implemented the Java 8 features like multi catch block statements and try with resources for avoiding the improper shutdown issues.
* Developed Internet/Intranet and Client/Server applications using Java and J2EE technologies like JSP, Servlets, JavaBeans, JavaScript, HTML, XML
* Created store procedures, database objects and SQLs for oracle database using tool called SQL developer.
* Used Eclipse as Integrated development environment (IDE) for developing application.
* Solved issues with lost code and identified bad commits and revert them in GIT.

**Allcat Claims Service, San Antonio, TX Jan2017-Jan2019 Sr. Full Stack Developer**

**Responsibilities:**

* Involved in Analysis, Design, Development, Integration and Testing of application modules and followed AGILE/ SCRUM methodology. Participated in Estimation size of Backlog Items, Daily Scrum and Translation of backlog items into engineering design and logical units of work (tasks).
* Selecting the appropriate AWS service based on compute, data, or security requirements.
* Experience in using build/deploy tools such as Jenkins, Docker and OpenShift for Continuous Integration & Deployment for Microservices.
* Experience in development and deployment of applications using JBoss, Web Logic Application Server, 18M WebSphere Application and Apache Tomcat.
* Experience in developing SOAP based Web Services using Apache CXF and JAX-WS.
* Implemented RESTful services with JAX-RS using Spring Boot and Microservices Architecture.
* Developed the persistence layer using Hibernate Framework, created the POJO objects and mapped using Hibernate annotations.
* Used Dependency Injection feature of Spring 4 framework for rapid development and ease of maintenance.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Experience in Integration of Amazon Web Services AWS with other applications infrastructure.
* Developed the application using spring boot framework with Microservices architecture and implemented different modules of Spring boot framework Spring Cloud, Spring boot Data JPA, and Spring boot Security.
* Designed and implemented functionalities in common libraries that are used by all micro services using Aspect Oriented Programming.
* Provided end-to-end solution strategy to migrate existing application and data to windows Azure Cloud platform.
* Developed Controller for request, response paradigm Used JSON as response type in REST services
* Implement modules into Node JS to integrate with designs and requirements.
* Very well experienced with Application Security using OAuth 2.0 with Spring.
* Used Spring boot JPA in the data persistence layer.
* Designed and implemented SFTP (Secure Shell FTP) server on cloud to push the files securely from on-premises to Azure Blob storage with out setting up any infrastructure on-premises.
* Added dynamic functionality to the application by implementing JQuery, Node js.
* Responsible for creating efficient design and developing User Interaction screens using HTML5, CSS3, JavaScript, React.js, Redux and gulp directories to generate desired view and flux to root the URL's properly.
* Designed GraphQL to build client applications by providing an intuitive and flexible syntax and system for describing their data requirements and interactions.
* Working on AWS Elastic load balancing for deploying applications in high availability.
* Writing SQL queries for necessary action on a webpage as per the requirements. Fixing the application defects/bugs in quick turnaround time.
* For Unit Testing used JUnit, Mockito & Power Mockito frameworks and also Used Postman tool for testing the Rest APIs.
* Used AWS SDK to connect with Amazon SQS for bulk email processing.
* Used ELK (Elastic search, Logstash, Kibana) for monitoring the logs and developed the dashboards.
* Created Swagger documentation for the REST APIs and deployed the application to AWS cloud environment.
* Used SonarQube for code coverage and GITHUB for as a repository.

# Sysmex America, Inc, Lincolnshire, IL Aug 2014 – Dec 2016

# Full Stack Java Developer

**Responsibilities:**

* Worked as a full stack developer responsible for Web, middle tier and Databases in the development of the application.
* Experience working in Agile development following SCRUM process, Sprint and daily stand-up meetings.
* Involved in developing applications using Java and J2EE technologies like spring 4.0, JDBC, EJB, JSP.
* Implemented Collections Framework for fetching and appending strings from the deployed UI.
* Install, initialize, validate, and configure postgres Databases.
* Configured and supported SAML based Identity & Service Provider connections.
* Consumed WSDL provided by Web Service using SOAP protocol to communicate with external applications and vendors.
* Involved working with NoSQL with MongoDB. Performed CRUD operations on MongoDB using restful web services.
* Build Restful API by building Node JS Server in the back end to handle requests sent from the front-end JQuery Ajax calls.
* Developed a RESTful web API using Spring Boot. Spring Data is used to communicate with the Mongo DB.
* Wrote internal and external API services using Node JS modules.
* Building modules of application in Java and integrating them into our ColdFusion application.
* Used Apache Kafka to load the data on Hadoop File system and move the same data to MongoDB NoSQL database.
* Implemented Database application programming for Oracle, Postgres SQL server using Stored Procedures, Triggers, and Views etc.
* Implemented Java Web Services based on SOA Architecture with SOAP and WSDL.
* Integrated Spring Data Mongo Repository to retrieve and update the data from Mongo DB.
* Created Responsive Designs (iPad/Tablet/Desktop) using HTML5, CSS, Bootstrap.
* Develop UI automation for Node JS, Angular 6, Micro services have been built using spring boot, Netflix OSS, spring cloud and deploying to AWS Cloud.
* Configure and monitor numerous MongoDB and NoSQL instances. MongoDB Schema Design using DB Ref, Manual Ref, Embedded Data Model Design.
* Experienced in Continuous Integration/Continuous Deployment has become one of the most common use cases of Docker, CI/CD merges development with testing which allows developers to build code from master branch of GIT repository.
* Developer and integrated RESTful web services using JAX-RPC along with Spring Boot and test cases using JMeter
* Designing and implementing the User Interface using OO JavaScript, Ember JS, HTML, CSS/CSS3, SASS and AJAX.
* Spring Cloud integrates the Netflix components in the Spring environment in a very nice way created an XML configuration file for Hibernate for Database connectivity.
* Developed REST APIs using JavaScript to produce JSON.
* Worked on building data center with AWS. Installed SVN, GIT, Jenkins images on AWS.
* Installed Jenkins/Plugins for GIT Repository and Setup SCM Polling for Immediate Build with Maven Repository and used web hooks to ensure Jenkins is listening to a particular branch.
* Involved working with GIT for collaboration team members in the project.

**Technosoft, Hyderabad, India Nov 2013 – June 2014**

**Java Programmer**

**Responsibilities:**

* As a Senior Java Developer, worked as a Sr. Software Developer in Java, with involvement in working with technologies like spring 3.x, Hibernate 3.x, Oracle and Restful Web Services in designing and development of the application.
* Developed user interface by using Richfaces, JSF and Ajax frameworks and JSF tags at UI.
* Written Cloud formation templates and deployed AWS resources using it.
* Implemented Web Services using Apache to communicate to external testing centers for finding seats and reservation and between scoring and reporting management.
* Experience in implementing Oracle SQL as an oracle client to query the database.
* Experience in replacing Hibernate with Native SQL Queries (JDBC) in places to handle large search
* Worked on implementing JMS to publish the message on to the Queue after processing.
* Worked with FTP Client to read and write a file from/at a specific location.
* Experience in developing the automatic build scripts with the help of Maven for application to deploy.
* Experience in designing GUI screens of some modules by means of Rich Faces.
* Worked extensively on Spring IOC for the dependency injection for managing application dependencies
* Worked on GIT Hub as the repository to checkout and commit the code.
* Expertise in writing SQL queries, PL/SQL stored procedures for the database and backend tasks.
* Utilized AWS cloud watch to monitor the performance environment instances for operational and performance metrics during load testing.
* Worked exclusively on Tomcat 7.2.x for managing performance and security optimization for Web Applications.
* Expertise in JUnit test cases with the data mocking by using Mockito for unit testing application classes.