Chandrasekhar Patlolla

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**Summary:**

* Senior JAVA Consultant with 12 Years of experience in software development for J2EE web-based applications
* Proven track record of coding, integrating complex technical processes within international, high-profile, and tight deadline-oriented environments.
* Extensive experience in Java J2EE technologies using Core Java, Java collection, JDBC, Threads, Spring Framework, Struts Framework, Middleware, Hibernate, Servlets, DHTML, CSS, JMS, JSTL, Display Tag (Custom Tag), Ajax, Java Script.
* Extensive experience of working on all tiers of J2EE n-tier Architecture.
* Proficient in designing applications using Java and J2EE Design Patterns such as Singleton, Factory, Facade, Observer, Command Patterns, Value/Data Transfer etc.
* Good web page design skills using HTML, CSS, Java Script, AJAX, J Query, YUI, Angular 2 and XML.
* Extensive Knowledge in Java Persistence API.
* Top quality architecture and development skills using technologies such as Java/ J2EE, Servlets, JSP, Spring, Spring Boot, Hibernate, Microservices, Maven, SOA using ESB, JMS, JDBC, Struts1.x, Bootstrap, CSS, JavaScript
* Extensive experience in designing User Interactive (UI) Webpages and visually appealing User Interfaces with the help front-end Technologies like HTML5, DHTML, CSS3, JavaScript, XML, DHTML, XHTML, JQuery, AJAX and JSON.
* Experience in installing and configuring MySQL, ORACLE, and MongoDB Servers.
* Experience in built web services using spring and CXF operating within ESB, offering REST, AWS, and SOAP interfaces.
* Exposure to Software Engineering methodology like AGILE methodology, Waterfall methodology.
* Responsible for coding, implementation, and unit testing of various J2EE related projects.
* Worked on EJB (stateless Session, MDB, and Entity Beans).
* Experience in working with the presentation layer using HTML5, CSS3, JSP, JSTL, Custom Tag Libraries, JavaScript, jQuery and AJAX.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST APIs and Spring Boot for Microservices.
* Experience in working with middleware using oracle weblogic server.
* Extensive experience in Tomcat Server, JBoss, Weblogic and WebSphere application servers
* Good Experience in implementing Web Services such as SOAP, WSDL, UDDI.
* Extensive experience in database designing using RDBMS Concepts in Oracle, MS SQL.
* Hands-on experience in writing stored procedures, functions, views, triggers, and joins.
* Involved in preparing use-case, functional, technical design of the project and test case document.
* Excellent ability to quickly master the technologies and concept.
* Ability to lead a team effectively
* Good verbal and written communication skills. Ability to deal with people diplomatically.

# SKILLS

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| Languages/ Technologies | Java, J2EE, SpringBoot, JDBC, Spring, Struts, Hibernate, JUnit, CSS, JavaScript, JQuery,  AngularJS, EJB, JMS, JNDI |
| Database/Servers | MongoDB, Elasticsearch, PostgreSQL, Oracle, MySQL, PL/SQL, HQL, XQuery,  MarkLogic, Weblogic, Tomcat, JBoss, Jetty |
| Tools | AWS, Kubernetes, Docker, Logstash, RabbitMQ, APM server, Kibana, Jenkins, Swagger,  Elasticsearch Beats, Jira, GitLab, SVN, GIT, Bit Bucket, Ant, Maven, Postman, Burp, JMeter, SonarQube, YourKit Java Profiler |

**PROFESSIONAL EXPERIENCE**

## Applied Thought Auditors and Consultants Inc., Sanford, FL Sep 2014- Till Date Client: **SAE International**, Warrendale, PA

Lead Java Developer

* Experience in all the phases of SDLC including Requirements Collection, Design and Analysis of the Customer Specifications, Development and Customization.
* Experience in migrating Monolithic application to Microservices with Spring boot using DevOps essential tools like Docker, Kubernetes, GitLab, Subversion (SVN), Jenkins, Ant, Maven.
* Create and maintain fully automated CI/CD pipelines for code deployment using GitLab.
* Designed and developed Microservices following event-driven architecture and SAGA pattern using RabbitMQ.
* Experience with Elastic stack tools like Elasticsearch, Logstash, Kibana, Elastic APM server, APM agents (Java, JS, NodeJS, Python), Elasticsearch beats like Filebeat, Metricbeat, Functionbeat.
* Worked Integration of AWS, Elastic Search, Beanstalk and Docker with Kubernetes.
* Composing, coding, and testing AWS, Java 8, API, AWS Serverless Lambda, node.js Jenkins, spring boot custom applications for various departments, Microservices, Kubernetes, Java Script while, Kafka, backend Java Development, Automated Unit Testing, documenting the same.
* Experience working with AWS technologies like EC2, EKS, Cloud Watch, Cloud formation (CFTs), S3, SNS.
* Designed and developed distributed tracing for microservices using Elastic APM.
* Experience working with NoSQL database like MongoDB, and setup Monstache to auto sync the data to Elasticsearch.
* Designed and developed secure REST, RPC APIs. Worked on Swagger/Open API and auto-generated documentation for all REST calls.
* Led the development team to perform as expected by running the agile scrums and guiding the developers appropriately.
* Heavily involved in code reviews and analysis of solutions performed/proposed by the team members.

## Skolix LLC, Plano, TX May 2011- Sep 2014

Client: **SAE International**, Warrendale, PA Full Stack Java Developer

* Designed and developed a web application using Struts, Spring, Hibernate, Apache Solr, Oracle DB, JQuery.
* Designed and implemented database models for Oracle DB based on application requirements, developed stored procedures and functions using PL/SQL.
* Managing Docker orchestration and Docker containerization using Kubernetes.
* Designing, building, securing, and managing clusters/workloads running on self-managed Kubernetes (Kops), Amazon EKS (Amazon Kubernetes Service), Amazon ECS, and AWS Fargate.
* Using Jenkins pipelines to drive all micro services builds out to the Docker registry and then deploying to Kubernetes, creating Pods, and managing them using Kubernetes.
* Setting up CI/CD pipeline components for Jenkins, Spinnaker, Concourse CI, GitLab CI, AWS Code Pipeline, AWS Code Build, AWS Code Deploy, Amazon ECR, and Kubernetes Helm Charts.
* Developed unit test cases using JUnit, load testing using JMeter and helped QA to create regression test cases in Selenium.
* Actively participated in meetings for requirements analysis and release/sprint planning.

**University of Texas at Dallas**, Dallas, TX Jan 2010 – May 2011 Research Assistant

* Published IEEE International Conference paper *Real-time hand-pair gesture recognition using a stereo webcam* as a first author in Emerging Signal Processing Applications (ESPA), on 12-14 Jan 2012. Project [Video.](http://www.youtube.com/watch?v=rXD0QHlJvGg)
* Published Journal paper *Real-time computation of disparity for hand-pair gesture recognition using a stereo webcam* as a second author in Journal of Real-Time Image Processing, Springer-Verlag, 2012.
* Implemented real time MP3 decoder and QAM Modem on National Instruments FPGA module target (work is published in Digital Signal Processing Laboratory: LabVIEW-based FPGA Implementation, November 2010, ISBN: 1599425505 book).

# EDUCATION

**University of Texas at Dallas, Richardson, Texas** Aug 2008- May 2011 Master of Science (Thesis) in Electrical Engineering

**Jawaharlal Nehru Technological University, India** Sep 2004- May 2008 Bachelor of Technology in Electronics and Communications