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| **Venkata Pavan**  **Java Developer** |
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|  | **PROFESSIONAL SUMM ARY**   * As a Full Stack Develo per with over 8 + years o f IT experience, I specialize in designing, develo ping, deploying, and maintaining Golang, web and J 2 EE applicatio ns. * My back-end expertise includes creating RESTful APIs and Microservices with Spring and Spring Boot, implementing Dock erization and Kubernetes in large-scale projects, and managing Core Java functionalities. * On the front end, I am proficient in JavaScript and have hands-on experience with frameworks like Angular 10 and react. * Strong working experience with Spring Framework, which includes usage of Spring MVC, Spring DAO, Spring Cloud, Spring AOP, and Hibernate Framework. * Strong hands-on experience in Object-Oriented Programming principles like Encapsulation, Abstraction, Inheritance, and Polymorphism. * Strong skills in Object oriented programming (OOPS) concepts with OOP methodologies and GoF Design patterns. * Hands-on Experience on Bootstrap, Ext JS, AppML, NodeJS and AngularJS, Angular. * Great experience in using Spring Boot to develop REST APIs using Micro-services architecture. * Experience in creating Docker images, containers, push/pull and integrating with Spring Boot, deployed Spring Boot-based Microservices, Docker container using Amazon EC2 container services and using AWS console. * Expertise in using servers like Apache Tomcat, JBoss and WebLogic to configure and deploy applications. * Experience with build tools like Maven, Ant and Gradle. * Implemented task management and user assignments within BPMN workflows, enabling task delegation, escalation, and notification mechanisms. * Extensive use of Collection Framework features like Map, Object, List to retrieve the data from Web Service, manipulate the data to incorporate Business Logic and save the data to Oracle database. * Seamlessly integrated Dialog flow CCAI capabilities into applications, enhancing customer engagement and support experiences. * Designed and developed functionality to get JSON document from Mongo DB document store and send it to client using Restful web service. * Involved in developing applications using Waterfall, Agile (XP and Scrum) methodologies, and Test First, Test-driven Development, and Service orientation architecture. * Involved in developing and configuring server side J2EE components like Servlets, JSP, JDBC, JSON, REST Web Services, JNDI, LDAP, J2EE platform using Eclipse IDE and Visual Studio Code. * Expert in Core Java and implementing concepts like Multithreading, Concurrency, Exception Handling, File handling, IO, Generics, and Java collections in various projects. * Providing technical support for Java applications and troubleshooting any issues that may arise. This includes handling Level 2 and Level 3 support tickets, which involve more complex and difficult problems. * Experience in Hibernate for mapping Java classes with the database using Hibernate Query language (HQL). * Knowledge in development and deployment of cloud native Spring Boot based Microservices. * Hands on experience on Build &amp; Deployment phases and usage of Continuous Integration (CI/CD) tools. * Good experience in Analysis, Design, Implementation and Testing of Object-Oriented Applications in Client/Server environments using Java/J2EE. * Experienced in Bug fixing, Unit Testing, and module owner for development. * Experience in using Monitoring application performance using tools like Splunk and Kibana to proactively identify and resolve any performance. * Experienced in databases like Oracle 10g/11g, SQL Server, DB2 11.1, MySQL 5/7, MongoDB, and Cassandra * My experience extends to working with SQL and NoSQL databases such as MySQL, Oracle, PL/SQL, MongoDB, and DynamoDB, along with significant exposure to cloud technologies like AWS and Google Cloud Platform. * I've successfully established continuous build processes using Jenkins, Maven, and ANT, and have a proven track record of adhering to industry best practices and methodologies, including Agile, Waterfall, and TDD. * Known for my adept problem-solving abilities, excellent debugging and documentation skills, and analytical mindset, I am equally comfortable working in both on-site and remote team environments, and I continuously embrace opportunities for self-learning and the adoption of new technologies. |

# TECHNICAL SKILLS

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| **Skills:** | JAVA 11/1.8, C/C++, Python, SQL, PL/SQL |
| **IDE Tools:** | Eclipse, NetBeans, IntelliJ, Spring Boot, Spring MVC, Hibernate, Struts |
| **Web Technologies:** | HTML /HTML5, CSS/CSS3, Web Services, Restful Web Services (JAX-RS), SOAP,  APACHE AXIS VERSIONS, AJAX, JQUERY, DHTML, JavaScript, Angular JS, Node, Backbone.js, Ember.js, React JS, React Native |
| **Frameworks:** | Spring, Spring Boot, Spring Integration 3. x, Angular 10/8, JSF, Struts |
| **RDBMS/Backend:** | Oracle, SQL Developer (4.2), Mango DB, Microsoft SQL Server, Cassandra |
| **XML Technologies:** | XML, DTD, XSD, JAXB SAX, DOM |
| **Application Server:** | Tomcat 8.5, JBoss7.x, Apache Kafka, IBM WebSphere 6.0/6.1/8.0, Web logic |
| **Test, build and log Tools:** | JUnit, Log4j, slf4j, Mockito, Jasmine, Mocha, Jest, Maven, Gradle |
| **Web Services** | SOAP & REST Web Services |
| **ORM Technologies:** | Spring JPA, Hibernate |
| **Cloud & DevOps tools:** | AWS, Azure, GCP, PCF, EC2, EBS, S3, Docker, ECS, EBS, EKS, SQS, RDS, S3, Glacier, Lambda,  Kubernetes |
| **Operating Systems:** | Windows, UNIX, LINUX, MAC |
| **Version Control Systems:** | SVN, GitHub, JIRA, Docker |

**WORK HISTORY**

**Senior Java Developer** | **Charles Schwab - Austin, TX 08/2022 – Present**

* Involved in all stages of the Agile Software Development Life Cycle (SDLC) for the project.
* Involved in developing components on Reporting Dashboard with JSF, Spring Framework, and Hibernate and created Micro Services using Spring Boot.
* Collaborated with cross-functional teams to establish best practices and guidelines for Kafka message handling, ensuring the reliability and consistency of data flow across the application ecosystem.
* Participated in Daily Scrum meetings, sprint grooming/review, and demos with management and other teams.
* Tuning of the Oracle queries, which takes a long time to process the request using Explain Plan, Hints to reduce the response time.
* Implemented a metrics collection mechanism for the server by utilizing Apache Kafka to stream server-side events.
* Developed backend functionality in Java 11, Spring Boot & Hibernate.
* Optimized pipeline quality and improved development cycles by 50% in 10-plus pipelines
* Developed two new APIs, enabling project managers from different regions to convert costs, streamlining the process, and improving accuracy.
* Developed and implemented software applications and systems using various tools and technologies including Golang, AWS, Docker, and Cassandra.
* Involved in tuning the heap size parameters and JVM's Garbage collector for WebLogic/Jboss.
* Developed Rest Api to process the data from DB to another Rest Service using Golang.
* Optimized response turnaround time for two APIs and refactored over a hundred Java classes
* Focused on design, coding, testing, and quality assurance of specific product features in the scrum development team
* Spearheaded the analysis, design, and development of a cutting-edge J2EE application leveraging Spring and Hibernate. The application delivered high performance, scalability, and data integrity, resulting in positive user feedback and increased customer satisfaction.
* Write Kafka producers to stream the data from external rest APIs to Kafka topics.
* Integrated third-party libraries and APIs seamlessly into the application, leveraging Java/J2EE best practices and design patterns, to enhance functionality and deliver a feature-rich user experience.
* Note: When including these points in your resume, remember to quantify your achievements and provide specific project examples where possible. Additionally, tailor your resume to match the requirements of the job you're applying for, emphasizing how your expertise in Java/J2EE Design Patterns, Spring, and Hibernate can contribute to the success of the prospective organization.
* Conducted design reviews with Product Managers, Quality Assurance, and User Acceptance teams, resolving customer escalation issues and facilitating custom development for business scenarios
* Create a new API using Golang and Docker.
* Implemented persistence layer using Spring JDBC template to store data in Oracle database.
* Implemented NgRx effects to handle asynchronous operations, such as API calls or side effects
* Actively participated in code reviews and introduced best practices in SQL query writing, JDBC usage, and Hibernate ORM mapping, leading to enhanced code quality and maintainability.
* Implemented GraphQL APIs to optimize data fetching and reduce over-fetching on the backend, integrating them with React components on the frontend
* Utilized NgRx entity adapter and normalized state structure to efficiently manage relational or nested data structures in the

application’s state.

* Used Built-in Pipes in Angular 10 as filters to display data nicely to users.
* Created automation scripts improving customer experience on an internal website, enabling customers to complete tasks 50% faster
* Used Java 11 to build modules and utilized Spring Boot framework to construct the microservices.
* Conducted comprehensive testing and performance tuning of Kafka clusters, optimizing message throughput and enhancing overall system efficiency.
* Experienced in using AWS services such as provisioning EC2, VPC, Security Groups, S3, and SNS.
* Developed AWS Lambda-based Microservices interacting with SNS/SQS using AWS SDK to trigger the events related to the migration of data.
* Implemented Elastic Load Balancing and Horizontal auto-scaling for optimizing application performance and availability.
* Used Apache Kafka in cluster as messaging system between the APIs and microservices
* Worked with Google Cloud Platform (GCP) services such as Compute Engine, Cloud Load Balancing, Cloud Storage, Cloud SQL, Stack driver Monitoring, and Cloud Deployment Manager
* Designed and implemented a comprehensive suite of automated tests using JUnit and Mockito, resulting in a 50% reduction in bug reports and improved software reliability.
* Developed server-side services using Java, spring, and Web Services (SOAP).
* Configured Microservices architecture, integrated it with the React JS application, and utilized React & Redux Dev Tools plugins for observing component state and prop changes
* Used Spring framework and J2EE components, Utilized Spring Boot, IOC and DAO modules. Developed controller classes, backend process, complex services and database interaction.
* Used Oracle as database and involved in development of PL/SQL backend implementation and using SQL created Select, Update and Delete statements.
* Expertise in JUnit testing using Mockito and Power Mockito, integration testing, and SOAP UI testing
* Successfully refactored legacy codebases, applying appropriate J2EE Design Patterns to improve code maintainability, readability, and overall system stability.
* Led SSL to TLS migration effort, implementing TLS 1.2 across multiple applications and services, ensuring compliance with security best practices
* Set up and built AWS infrastructure for various resources like VPC, EC2, RDB, S3, IAM, EBS, Security Group, Auto Scaling, SES, SNS, and RDS using Cloud Formation JSON templates
* Implemented and maintained monitoring and alerting for production and corporate servers such as EC2 and storage like S3 buckets using AWS Cloud Watch
* Utilized Cloud Front to deliver content from AWS edge locations to users, reducing the load on the front-end server

**Environment**: Java 8/11, JavaScript, HTML5, CSS3, Bootstrap, SQL, MongoDB, Node JS, Apache Kafka, Spring Framework, NoSQL, Eclipse, Jenkins, Log4j, Oracle, Elastic Load Balancer, AWS, Docker.

# Senior Java Developer | Bank of America - Charlotte, NC 01/2019 - 08/2022

* Developed controllers and services for handling the requests using Spring Boot
* Used Spring Core by implementing IOC (Dependency Injection) to inject dependencies to achieve loose coupling.
* Used Spring boot actuator to monitor and manage the application in the prod environment.
* Implemented the database connectivity using JDBC with database as the backend.
* Perform software quality assurance, including integrated automated testing.
* Conducting code reviews to identify potential issues and suggest improvements.
* Utilized Apache Tomcat as an application server to handle the deployments of different applications.
* Worked on sending email alerts to the recipients in a microservice using Java Mail and configured different email alert options from UI using angular 9.
* Worked on fixing the Vulnerability issues found like SQL injection issues, directory traversal issues, and ethical hack issues.
* Used Angular 9 in a microservice module for the interactive view of documents on the UI page.
* Worked on the integration of four different microservices through a common microservice through which all documents are retrieved, saved, and uploaded to/from AWS S3.
* Involved in the design and development phases of the Agile software development team of product managers, scrum masters, and testers.
* Developed multiple data source-based transaction processing logic.
* Conducted through testing and debugging of JBPM workflows to identify and resolve any issues or bugs.
* Developed and executed Unit Test cases using the JUnit framework by supporting TDD (Test Driven Development) and used JIRA for the defect tracking system.
* Implemented task management and user assignments within JBPM workflows, enabling task delegation, escalation, and notification mechanisms.
* Strong hands-on experience in writing and executing Shell scripts for automating repetitive tasks, system maintenance, and process improvement.
* Participating in incident and problem management processes.
* Implemented user tasks and human interactions within JBPM processes.
* Troubleshooting and resolving issues reported by customers.
* Developed front end using Struts framework, business components using EJBs, coded different action classes in Struts responsible for maintaining deployment descriptors like struts-config, ejb-jar, and web.xml using XML.
* Developed multiple maps to reduce jobs in Java for data cleaning and pre-processing.
* Developed back-end services using Core Java and implemented concepts like Multithreading, Concurrency, Exception Handling, File handling, IO, Generics, and Java collections.
* Worked on MySQL Databases and wrote SQL queries as well as stored procedures for the application.
* Developed and implemented Servlets running under WebLogic.
* Extensively used Spring Framework modules like MVC, DI, IOC, JBPM Templates, spring security and AOP.
* Performed unit testing using the Junit framework and used Struts Test Cases for testing Action Classes.
* Implemented the application using Jakarta Struts Framework, which is based on the Model View Controller design pattern and implemented the template-based categorization of presentation using Struts-Tiles.
* Organized and actively participated in daily stand-up calls and team meetings which bolstered in articulating the challenges faced and delivering the projects within the deadline.
* Production support as L3, troubleshoot web application and database issues, conduct root cause analysis.
* Mentored a few juniors on the project application and guided them in learning the new modules.
* Resolved user identified functional and technical issues related to Adobe AEM.

**Environment:** Java (J2EE 1.8/1.7/1.6), Agile, Spring MVC, Hibernate, JMS, Front Controller, Singleton, HTML5, CSS3, JavaScript, jQuery, JSP, MySQL 5.6, PL/SQL, Maven, Restful Web Service, GIT, Jenkin, JUnit, TDD, JIRA, SDLC, JDBC, IntelliJ

# Mid-Level Software Developer | Anaplan - Austin, TX 07/2016 - 01/2019

* Designed and developed microservices business components using Spring Boot for the Controller and Service layers
* Participated in requirement gathering and business analysis, translating business requirements into technical design for Hadoop and Big Data
* Utilized Hibernate as the Object Relational Mapping (ORM) tool for backend data persistence
* Wrote Hibernate Query Language (HQL) queries for data retrieval and processing in business methods
* Actively contributed to code reviews and collaborated with the development team, sharing best practices on Java/J2EE Design Patterns and Spring/Hibernate usage, resulting in enhanced code quality and performance.
* Led the design and implementation of Apache Kafka clusters to enable real-time message processing and data streaming for a high- traffic web application. Configured replication factors in Kafka clusters to ensure data redundancy and fault tolerance.
* Used Amazon Web Services (Amazon EC2, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, and AWS Identity).
* Integrated the application with the Spring framework for implementing Dependency Injection and providing abstraction between the presentation layer and persistence layer
* Developed front-end user interfaces using JSP, AngularJS, HTML5, and CSS3, integrating them with Spring Boot.
* Worked on data extraction in loading JSON data from the server-side content into MongoDB.
* Good experience in working with godoc, ginkgo, grpc, Goland, and AngularJS in order to assist with the requirements. Golang and Java were used as a backend REST service while AngularJS was used for the user interface.
* Used Hibernate for data persistence and designed hibernate queries and Hibernate specific configuration and mapping files for Oracle Database.
* Building a Command line tool to interact with RESTful API using in Golang.
* Designed and implemented database schema changes using SQL scripts and Hibernate migration tools, ensuring seamless application updates without compromising data integrity.
* Implemented AngularJS Routing for single-page application functionality.
* Developed custom solutions that act upon Jenkins information in real-time and finally reached continuous delivery and Build clouds with Open stack and AWS.
* Implemented JSF and wrote Controller classes for handling requests, form submissions, and validations using Common's validator
* Worked extensively on MQ Series for processing sales requests using point-to-point and publisher/subscriber messaging domains with JMS Messages
* Developed CRUD operations with MongoDB (NoSQL) and managed customer details
* Developed web-based customer management software with SOA architecture using Spring and web services
* Designed and developed RESTful web services with JSON representation for handling AJAX requests
* Integrated REST API with Spring using Spring Rest Templates and developed RESTful web services interfaces to Java-based runtime engine and accounts
* Utilized XML technologies like XPath, XSLT, and JAXB for data exchange and presentation
* Wrote SQL commands and stored procedures for data retrieval from the database
* Created new views and added columns to existing views using SQL
* Utilized design patterns such as factory, singleton, facade, front controller, iterator, and MVC for flexible and reusable application modules
* Managed and maintained Oracle and NoSql databases in production domain.
* Developed key services for authorization and authentication, initially using LDAP and later migrating to Ping Access-SSO (Single Sign- On) Application
* Practiced Test-Driven Development (TDD) and wrote test cases using the JUnit framework for unit testing during development
* Utilized GIT for software configuration management and version control
* Used Maven for building the application and deployed it on Apache Tomcat Server
* Implemented Log4J logging framework for debugging, maintenance, and structured storage of runtime information
* Conducted component testing using JUnit and Mockito during the development
* Experienced in continuous integration using Jenkins and wrote batch processing jobs for auto-populating the database at specific times of the day
* Followed the Agile Scrum incremental process for Agile Software Development methodology and created stories in JIRA
* Demonstrated good interpersonal skills and collaborated effectively with project team members, including business analysts, team leads, architects, and the QA team
* Coordinated with the team and project manager for project build, release, and operations

**Environment:** Java 8, J2EE, Spring MVC, Hibernate, JPA, Oracle, Mongo DB, RESTful web services, Spring Framework, Apache Kafka, UML, XML, JSON, JMS, MQ Series, JSP, JavaScript, AngularJS, HTML5, CSS3, JSF, XPath, XSLT, JAXB, Servlets, JUnit, Maven, Log4J, Apache Tomcat, Jenkins, Git Hub, JIRA

# Software Developer | Asurion - Atlanta, GA 08/2015 - 07/2016

* Gathering the requirements from business and analysis the scope of the implementation in the design phase and avoiding the leakage defects in design phase by delivering the quality production on time with no impact to existing modules/flows.
* Worked with Core Java concepts like Collections, Multithreading, serialization, Exception Handling.
* Extensively used Spring IOC for Dependency Injection and worked on Custom MVC Frameworks loosely based on Spring.
* Involved in producing and consuming the SOAP/REST Web Services.
* Implemented Spring with Hibernate taking advantage of Java features like annotation metadata, auto wiring, and generic collections using plain EJB3’s JPA specification that is used to implement the DAO layer with Hibernate Entity Manager’s Session Factory, HQL, and SQL.
* Participated in creation of Spring Configurations using Java 1.8 features, Lambda expressions, Streams, filters.
* Developed Microservices with Spring boot and Spring Batch along with the test cases.
* Deployed Spring Boot based microservices in Docker and Amazon EC2 containers using AWS.
* React JS and JSON were used to facilitate an AJAX enabled application of Model-view-controller.
* Developed new features of application in Rest API using AWS Lambda, API Gateway, ECS, Cognito security, SQS, SNS to update Calibration software on ECM (Engine Control Model) system through telematics, provide reports of engine health etc.
* Designed business applications using web technologies like NodeJS, React JS, HTML4/5, XHTML, and CSS2/3, Bootstrap based on theW3C standards.
* Developed user-friendly interface to seamlessly combine the new module with existing login system by using AngularJS.
* Worked on Swagger API and auto-generated documentation for all REST calls.
* Implemented react JS code to handle cross browser compatibility issues in Mozella, IE 7, 8, 9, Safari and FF.
* Worked with AWS (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS Aurora DB cluster and created notifications, alarms for EC2 instances using Cloud Watch.
* Experience in Elastic Path that uses the Apache Open JPA implementation of the Java persistence API(JPA) to store and retrieve information from its databases.
* Pushed code into GitHub daily and used build tools like Gradle, Ant and Gulp.
* Implemented Cloud formation scripts for AWS Infrastructure like creating new account, lambdas, code deployments, creation of s3, kinesis, SQS, ec2instance, etc.
* Developed functions, created DB Scripts for MySQL, PostgreSQL and DynamoDB.
* Wrote Testcases and Test Suites to support the Test-Driven Development (TDD). Used Junit for Unit Testing.
* Used Node.JS to run the application in a web server in staging environment.
* Used JIRA to log all issues and track development status. Developed data transformer for converting legacy data from Source tables to Avro format and fed into Kafka using Camel.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test and deploy.
* Used MAVEN for project management and build automation and Continuous Integration is done using Jenkins.
* Make developer and operations guides for the applications for future reference.

**Environment:** Java/J2EE, Agile Methodology, JSP, Servlets, Spring Framework (Core, MVC, Data Batch), Spring Boot, Spring Cloud, Spring Security, AWS, hibernate 3.0, DB2, JUnit, Maven, Web Services, Micro services, Docker, Eclipse, RAD, HTML, CSS, JavaScript, Angular,

React js, Jira, Jenkins, GITHUB, SoapUI, Oracle 11g.