**SRAVAN KUMAR PALLERLA**

                                        Sr. Full Stack Java Developer

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**PROFESSIONAL SUMMARY:**

* Have 10+ years of strong software experience in design, development and deployment of web-based and Client-Server business applications using OOP, Java/J2EE technologies.
* Proven Full Stack Developer with a strong track record in agile methodologies, Scrum, and cross-functional collaboration.
* Proficient in designing Single Page Applications (SPAs) with Angular, HTML5, CSS, and responsive web design.
* Expertise in Java, Spring framework, microservices, and data integration using technologies like Apache Camel and ActiveMQ.
* Skilled in real-time data processing with PySpark, Apache Flink, and Kafka for distributed Hadoop Clusters.
* Hands-on experience with AWS serverless technologies, including Lambda, API Gateway, and CloudFormation.
* In-depth knowledge of databases, encompassing SQL Server, PostgreSQL, MySQL, MongoDB, and data modeling.
* Strong emphasis on security, GraphQL, and ADA compliance.
* Proficient in documenting architectural decisions, best practices, and training teams for AWS serverless development.
* Expertise in Kafka Stream applications, Log4j configuration, and application monitoring.
* Extensive experience with NoSQL data modeling specific to Cosmos DB and optimizing AWS costs.
* Profound understanding of Google Cloud Platform (GCP) services and efficient use of GCP cost management tools.
* Skilled in Docker and Kubernetes for cloud-native application deployment.
* Strong background in building RESTful APIs, TypeScript, and TypeScript modules.
* Capable of designing and managing Hadoop and Cassandra clusters for big data processing.
* Exceptional skills in creating interactive dashboards using D3.js and real-time data visualization.
* Proficiency in JavaScript, jQuery, and Vue.js for web application development.

**TECHNICAL SKILLS:**

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| **Languages** | Java 11, Java 17, SQL, PL/SQL, Typescript. |
| **Technologies** | JSP, Servlets, JavaBeans, JDBC, Struts, RMI, EJB, Hibernate, Spring, SOA, JMS, SAX and DOM Parsers, AJAX, JAXB, JAXP, LDAP, Sybase Power Designer, RESTful and SOAP web services |
| **Web Technologies** | HTML/DHTML, XHTML, JavaScript, XML, XSL, XSLT, CSS, Angular 11, Bootstrap, Angular-JS, React JS, Node JS**,** Express JS. |
| **Web/Application Servers** | Tomcat, WebLogic, IBM WebSphere, Apache HTTP Server, JBoss. |
| **Design Patterns** | MVC, Front Controller, Session Facade, Singleton, Business Delegate and DAO patterns |
| **Data Base** | Oracle, MS SQL Server, MySQL, DB2, Mongo DB. |
| **Platforms** | Windows, UNIX, LINUX |
| **Methodologies** | Agile Methodology, RUP, Extreme Programming |
| **Build Tools** | Rational Rose, CVS, PVCS, Git, SVN, VSS, Clear Case, JIRA, Jenkins, JUnit, Testing, Selenium, Mockito, ANT, Maven, Gradle, EC2, VPC.aws |

**Client: Wyndham                                                                                                       July 2019 – Present**

**Full Stack Developer**

**Responsibilities:**

* Utilized Scrum as the development methodology, actively participating in Agile ceremonies, including Daily Scrum meetings, Sprint planning, and Retrospective.
* Designed and developed Single Page Applications with Angular 11, utilizing HTML5, CSS/SCSS, TypeScript, JSON, and Node.js for intuitive user interactions on web pages.
* Developed enterprise-level applications using Java 11, Spring framework, Apache Camel, ActiveMQ, and Microservices, integrating SQL Server Management Studio and Web Services.
* Created Queue-based microservice applications to validate and transform data from source Queues to destination Queues, employing Apache Camel.
* Designed and developed real-time streaming applications using PySpark, Apache Flink, Kafka, Hive on a distributed Hadoop Cluster.
* Developed dynamic responsive Web Applications by integrating Angular 11, Bootstrap, Web Services, and Vue.js.
* Architecting highly modular applications with Nest.js, enhancing code organization and maintainability.
* Hands-on experience with AWS serverless technologies, including Lambda, API Gateway, and other serverless services.
* Proficient in OOPS concepts, big data technologies, and Data Warehousing tools.
* Developed web applications running on Node.js using the Express framework, Vue.js, and Backbone.js.
* Implemented RESTful APIs with Nest.js, providing clear and structured endpoints for client applications.
* Experience in handling errors gracefully within GraphQL APIs, ensuring informative error messages and data consistency.
* Collaborated effectively with cross-functional teams, including data scientists, front-end developers, and DevOps engineers on Python-based projects.
* Skilled in parsing JSON data with jQuery and dynamically populating HTML templates for data-driven web applications.
* Expertise in creating and managing TypeScript modules and namespaces for code organization and reusability.
* Proficient in integrating Python applications with various databases using libraries such as SQLAlchemy and Django ORM.
* Experience in building containerized applications for cloud-native environments using Go.
* Executed projects involving the migration of JavaScript codebases to TypeScript, improving code quality and reducing runtime errors.
* Proficiency in handling errors gracefully with try-catch blocks and providing meaningful error messages or fallback solutions.
* Developed custom middleware for request processing, authentication, and error handling.
* Implemented real-time functionality using GraphQL subscriptions, providing interactive and dynamic user experiences.
* Experienced in documenting ADA compliance efforts, audit results, and remediation plans for internal and external reporting.
* Experience with third-party ADA compliance audits and collaborating with external auditors to ensure digital assets meet ADA requirements.
* Proficient in Kafka Stream applications using Kafka APIs and Kafka Streams API.
* Designed and implemented RESTful APIs for various applications, optimizing data retrieval and enhancing server-side logic using Node.js.
* Proficiency in creating and managing TypeScript modules and namespaces for better code organization and reusability.
* Implemented real-time features and WebSocket communication in applications using Nest.js, providing interactive and dynamic user experiences.
* Skilled in setting up JBoss clusters to ensure high availability and load balancing.
* Developed interactive and responsive user interfaces using Angular and React with TypeScript, ensuring a seamless and error-free user experience.
* Experience writing Kafka Stream applications using Kafka APIs and Kafka Streams API.
* Implemented ingestion services to connect to RDBMS using Kafka producer API's / Kafka Connect.
* Designed and managed Cassandra databases for high availability and scalability.
* Proficient in configuring Log4j for optimal performance, including buffer sizes, asynchronous logging, and minimizing overhead.
* Expertise in utilizing AWS data storage services, including S3, DynamoDB, RDS, and Redshift.
* Expertise in NoSQL data modeling techniques specific to Cosmos DB, ensuring efficient and optimized storage of unstructured and semi-structured data.
* Utilized Hadoop for big data storage, batch processing, and real-time data processing.
* Developed data models and queries for time-series data, making Cassandra suitable for time-series data storage.
* Experience in upgrading Log4j to newer versions and adapting configurations as needed.
* Expertise in setting up CI/CD pipelines on AWS, using tools like AWS Code Pipeline and AWS Code Build for automated testing, deployment, and monitoring.
* Hands-on experience with the Hadoop ecosystem, including HDFS, MapReduce, and YARN.
* Established comprehensive monitoring and logging solutions using AWS CloudWatch, X-Ray, and other AWS services.
* Implemented data replication and sharding strategies using Cassandra for data availability and distribution.
* Experience in working with messaging systems like Kafka and Kafka event Sourcing.
* Built real-time pipelines for streaming data using Kafka and Spark Streaming.
* Designed and managed Hadoop clusters for large-scale data processing.
* Implemented unit test cases using JUNIT, Mockito, and PowerMockito.
* Experienced in using build/deploy tools such as Jenkins, Docker, and Kubernetes for Continuous Integration & Deployment for Microservices.
* Used Splunk, Grafana to set up charts, graphs, and alerts for web applications.
* Generated Swagger documentation for REST services and exposed it to external teams using Spring Fox Swagger library.
* Created Confluence documents and JIRA tickets for all issues raised during development, testing, and production.
* Performed daily health checks of the application, job schedules, and infrastructure supporting the application.

**Client: USAA                                                                                                      Apr 2018 – June 2019**

**Full Stack Developer**

**Responsibilities:**

* Created web applications using Spring, REST-based web services, and a combination of front-end technologies including HTML5, CSS3, JavaScript ES6, JSP, jQuery, Angular 8, AJAX, and Bootstrap.
* Utilized Agile and Scrum methodologies to analyze and design software functionalities during various phases of the Software Development Life Cycle (SDLC).
* Developed TypeScript reusable components and services, following a component-based architecture provided by Angular 6.
* Employed Microservices architecture with Spring Boot, Apache Kafka message broker, and deployed applications to Google Cloud Platform (GCP).
* Worked with AngularJS controllers and created functions to interact with RESTful Services using AJAX services like HTTP and resource.
* Expertise in TypeScript for state management using libraries like Redux and NgRx, ensuring predictability and scalability in web applications.
* Proficient in TypeScript tooling, including TypeScript Compiler (tsc) and popular IDEs like Visual Studio Code.
* Involved in MEAN (MongoDB, Express, Angular, and Node.js) Stack application development.
* Utilized Java 8 features, such as streams and Lambda expressions.
* Expertise in integrating Nest.js with various databases, including MongoDB, PostgreSQL, and MySQL, for efficient data management.
* Implemented authentication and authorization mechanisms within GraphQL APIs to ensure secure access to resources.
* Conducted unit tests and practiced test-driven development (TDD) using TypeScript.
* Implemented robust authentication and authorization mechanisms using Nest.js.
* Skilled in writing unit tests and integration tests for GraphQL resolvers and schemas.
* Proficient in using TypeScript decorators for code readability and maintainability, particularly in Angular applications.
* Implemented Spring framework as a backend to integrate AngularJS and Hibernate.
* Used Java 8 Method References feature to point to methods by their names and used functional interfaces.
* Implemented functionalities using Spring IO, Spring Boot, and Hibernate ORM.
* Implemented error handling strategies in Nest.js for graceful degradation.
* Implemented schema stitching to combine multiple GraphQL schemas and extend existing ones.
* Executed Java EE components using Spring MVC, Spring IOC, spring transactions, and spring security modules.
* Developed Microservices with Spring and tested applications using Spring Boot.
* Developed AJAX toolkit-based applications using JSON.
* Utilized Nest.js's validation pipes and interceptors to validate and transform data.
* Conducted security assessments and penetration testing of web applications to identify and rectify OWASP Top Ten vulnerabilities.
* Integrated TypeScript with various front-end frameworks like Angular, React, and Vue.js.
* Developed real-time applications and chat features using WebSocket with Node.js.
* Optimized GraphQL APIs for performance and Nest.js applications for performance and scalability.
* Created REST Web Services for data management using Apache CXF.
* Used Angular CLI for project scaffolding, code generation, and streamlined development workflows.
* Leveraged Spring Core Annotations for Dependency Injection and Spring Boot for microservices.
* Used Java 8 features, including Lambda expressions, in developing code and resource classes.
* Integrated security measures early in the software development life cycle (SDLC) using OWASP resources and secure coding practices.
* Expertise in integrating RxJS for handling asynchronous operations and managing data streams in Angular applications.
* Focused on implementing security best practices, IAM roles and policies, encryption, and access control to safeguard serverless applications and data.
* Used Rust for system-level programming to ensure memory safety and prevent programming errors.
* Designed and managed partitioning strategies in Cosmos DB for high-throughput workloads.
* Optimized Google Cloud Platform (GCP) costs by designing efficient serverless applications and utilizing GCP cost management tools.
* Profound understanding of relational databases like MySQL and PostgreSQL, and no-SQL databases like MongoDB, Cassandra, and DynamoDB.
* Designed, developed, and deployed serverless applications on GCP using Google Cloud Functions, Google Cloud Pub/Sub, and Google Cloud Storage.
* Implemented multi-region Cosmos DB deployments for global data distribution and high availability.
* Developed secure and high-performance applications using Rust.
* Documented GraphQL APIs using tools like GraphQL Playground.
* Stayed updated with the latest OWASP publications and applied their guidance to ensure web applications remained resilient against emerging threats.
* Implemented Spring Boot Microservices as modular functionality as per Microservices architecture.
* Designed and implemented scalable, RESTful and Microservices-based backend using Java and Spring Boot.
* Educated development teams on OWASP best practices and provided training to enhance their awareness of web application security.
* Used Apache Camel for defining routing and mediation rules in various domain-specific languages.
* Used Camel to call existing REST services.
* Used CamelHttpTransportServlet class to implement the Camel servlet component.
* Configured and monitored numerous MongoDB instances and replica sets.
* Used Restful web services to communicate with MongoDB and perform CRUD operations.
* Worked on the Business logic layer for MongoDB Services.
* Designed and developed Jenkins plugin for end-to-end testing to increase productivity.
* Skilled in optimizing Cosmos DB queries and indexing strategies.
* Configured Jenkins for deploying Spring Boot-based microservices in Docker containers.
* Used GCP to deploy projects on virtual machines and Google Kubernetes Engine (GKE).
* Expertise as an architect of scalable and cost-effective serverless solutions using GCP, making efficient use of Google Cloud Functions

**Client: Optum                                                                                                     Jan 2015 – Nov 2017**

**Full Stack Developer**

**Responsibilities:**

* Developed user-friendly GUIs using HTML, CSS3, JSP, and JavaScript components within an Agile and Test-Driven Development (TDD) environment.
* Created UI components and modules using the Struts Framework, Tiles, JSP, AJAX, HTML, DHTML, and JavaScript.
* Utilized AngularJS for simplifying UI development and testing purposes, incorporating directives and expressions.
* Worked extensively on UI components using JavaScript and JSON to interact with Restful web services.
* Implemented rule-based techniques and text analytics to gain insights into hidden issues.
* Employed search and encryption algorithms to enhance search methods and improve security.
* Designed and built a cross-platform architecture using Java, Spring Core/MVC, Hibernate, and Messaging Routing Service Active-MQ in Eclipse IDE.
* Utilized Jasper Reports for enhanced user report generation and report management, including the use of JRXML file format and Jasper Compile Manager class.
* Developed user-friendly web pages with Cloud Native, HTML, SCSS, and CSS for client-side validation.
* Implemented Web Services to integrate internal and third-party components using SOAP and RESTful services with Apache-CXF.
* Expertise in integrating Crystal Reports into applications using APIs or SDKs for dynamic report generation.
* Reviewed the XML logical data model and developed XML schema XSD for validation, using JAX-B for Xml-Java Mapping and XML-XSLT conversion.
* Integrated Hibernate ORM tool with Spring MVC for interacting with the Oracle 11g backend.
* Designed and optimized DynamoDB tables for high-performance and low-latency access, leveraging Amazon DynamoDB.
* Utilized Dynatrace Application tools for transaction monitoring, code error analysis, and memory thread analysis for Java applications.
* Proficient in documenting jQuery usage with code comments, function descriptions, and examples to facilitate collaboration.
* Developed Hibernate entity POJOs based on the database schema and implemented Criteria Query and Lazy loading.
* Coordinated unit testing using JUnit, EasyMock Integration, and User Acceptance Testing. Developed test cases for enterprise bean components.
* Deployed applications in JBoss application server AS 7.1.0 for load balancing and management API.
* Implemented the user interface using Java 8, JSP, AJAX, Cloud Native, and Bootstrap, extensively leveraging Hibernate concepts such as inheritance, lazy loading, dirty checking, locking, and transactions.
* Utilized Subversion for version management and JIRA for defect tracking.
* Used Maven for generating build artifacts and deployment procedures on UNIX, Linux, and Windows environments with Hudson.
* Followed Agile and Scrum software methodology for project development and deployment.
* Leveraged AWS services for cloud-based infrastructure, including AWS Lambda, S3, EC2, and more.
* Implemented AWS DynamoDB for NoSQL database storage, optimizing data retrieval and storage.
* Utilized AWS CloudFormation for Infrastructure as Code (IaC) principles to automate provisioning and management of AWS resources.
* Employed AWS Step Functions to orchestrate and coordinate serverless workflows.
* Created serverless applications using AWS services and ensured high availability, fault tolerance, and auto-scaling.
* Managed AWS costs by optimizing serverless solutions and utilizing cost management tools.
* Documented architectural decisions, best practices, and provided training to team members for AWS serverless development.

**Client: Karur Vysya Bank                                                                                       Jun 2013 – Dec 2014**

**Full Stack Developer**

**Responsibilities:**

* + Followed Agile methodology (Scrum) to meet customer expectations and project timelines while delivering quality results.
  + Participated in sprint planning meetings, user story grooming, and scrum meetings to ensure effective project execution.
  + Developed serverless architectures using Node.js and AWS Lambda for real-time data processing and event handling, optimizing infrastructure costs and enhancing scalability.
  + Designed interactive real-time data visualization dashboards using Node.js and D3.js or other visualization libraries, enabling users to make data-driven decisions with real-time insights.
  + Translated customer requirements into formal requirements and design documents, leading the efforts from solution design to programming and testing, ultimately resulting in client acceptance.
  + Worked with Java application servers such as Tomcat, JBoss Fuse, WebSphere, and utilized development tools like Eclipse, Maven, and Jenkins.
  + Implemented and managed application servers, supported workload management, and fine-tuned performance, including web server setup and configuration with application servers.
  + Deployed application instances on Jobs and WebLogic Server environments.
  + Developed a Unix Search Utility Tool using SSH2 implementation Gschu Java Secured Channel with Spring MVC and Apache.
  + Designed a core routing framework for Verizon National Preorder using Apache Camel.
  + Developed applications using Spring Boot Starter and explored the required services.
  + Prepared test cases for regression and integrated testing, ensuring software quality.
  + Developed unit test cases using JUnit and Mockito, achieving a test coverage of 90%.
  + Conducted root cause analysis of incidents reported on the Process Monitor, resolving issues with a quick turnaround approach.
  + Established quality procedures for the team, continuously monitoring and auditing to ensure the team met quality goals.