SANJAY VARMA B

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**Summary**

* Over 10+ years Full Stack Development experience, working with Microservices, developing responsive web applications and **DevOps knowledge as well Strong background in Java/J2EE environments.**
* Worked extensively on J2EE for developing Web and Distributed Applications by **using JDBC, JSP, Servlets, Hibernate, Struts and Web Services.**
* Experience in developing applications using **Agile Methodology, Waterfall Methodology and Test-Driven Development approach.**
* **Collaborated with cross-functional teams to understand business requirements and developed custom Drupal solutions that met client needs**
* Proficiency in developing software applications using **Java 11, including object-oriented programming, multithreading, and distributed computing.**
* Deep knowledge and experience in building web applications **using Tridion Content Management System (CMS)**
* **Proficient in object-oriented programming with Java, Go-lang and other languages**
* Implemented **AWS Lambda** functions to automate various tasks, such as image processing, file uploads, and data validation.
* Implemented error handling mechanisms in Informatica to handle data errors and exceptions **during ETL processing.**
* Good understanding of **React** design patterns and best practices
* Designed and **developed** a full stack funding **website using node.js, PHP and slim framework**.
* Used **JAVA 8** features like Lambda **Expressions, Parallel Streams and functional interfaces.**
* Responsible for creating and maintaining architecture for **Restful API using Spring Boot.**
* Demonstrated strong understanding of **Azure's** data center architecture and global presence.
* Knowledge of developing single page web applications by **using Angular with typescript/ES and jQuery and working knowledge on HTTP access control CORS to enable cross-origin resource sharing in the project**.
* Proficient in designing, creating, and managing DynamoDB databases.
* Experience creating Typescript reusable components and services to consume **REST APIs** using Component based architecture **provided by Angular7, Angular8 Angular 11 and Angular12.**
* Proficient in object-oriented programming with **Java, Go-lang and other languages**
* Docker is used for creating images that are deployed on **AWS as Micro services.**
* Extensive experience in using **Java 11 for developing enterprise applications**
* Developed and maintained **AWS infrastructure using Terraform.**
* Having expertise knowledge and experience **on Java 8 features like Functional Interfaces**
* Experience in design and analysis with expertise in **Core Java, C++, C#, HTML, JavaScript, SQL, Oracle, MySQL, Mongo DB, Couchbase and Cassandra.**
* Used Spring Boot Actuator to monitor and manage the application in production environment.
* Proficient in **Any Point API platform on designing and implementing Mule APIs. Strong working knowledge on API Gateway.**
* Involved in converting **Hive/SQL queries into Spark transformations using Spark RDD, and Scala.**
* Integrated with **AWS API Gateway to create RESTful APIs for the application, enabling seamless communication between different microservices.**
* Experience in developing **web, enterprise and SOA applications using Core Java, OOAD, Multi - Threading, JavaBeans, JSP, Servlets, JNDI, JDBC, Hibernate, JPA, Spring, Web Services (SOAP, Restful and Micro-Service), XSD, XML, XSLT, JSON, JAX-B, Apache Commons, EJB, JMS, MQ-Series, HTML, Ajax, Oracle, and Linux/UNIX.**
* Configured **AWS CloudWatch** to monitor application performance and set up alarms for critical metrics.
* Proficient in developing the enterprise application with Servlets, Struts, Spring Framework modules like Spring IOC, Spring **MVC (Model View Controller), Spring AOP, Spring Boot, Spring Security, Spring Data, Spring Integration and ORM Frameworks like Hibernate.**
* In-depth knowledge of **Google Cloud Platform (GCP) and its range of services such as Cloud Storage, Cloud Functions, Big Query, App Engine, and more.**
* Good knowledge in usage of version **controls such as CVS, Git, SVN and Clear Case.**
* **Implemented AWS CloudFront** for content delivery, improving the application's global reach and reducing
* Experience in Analysis, Design, Development, Implementation and Maintenance of applications using Java/J2EE
* Experienced in using **Scala, Java, and Python frameworks for Bigdata/Spark engine requirements.**
* Proficient in using **Core Java 11 such as OOPs, Collections, Generics, Exception Handling, etc.**
* Strong understanding of common **API technologies, such as OAUTH, SAML, Spring Boot and Micro services.**
* Experience on architectures like **Model-View-Controller (MVC), Service-Oriented-Architecture (SOA).**
* **Developed and maintained Java applications on Google Cloud Platform (GCP)**
* Extensive experience on developing web applications using **Spring Boot, Spring Core, Spring MVC, Spring ORM, Spring JPA, Spring Rest and Spring Cloud (PCF).**
* Application integration **using MuleSoft ESB and IBM Message Broker for integrating and orchestrating the services**.
* Proficient in designing and implementing **end-to-end CI/CD pipelines using Jenkins, Docker for containerization, and Kubernetes for efficient orchestration, ensuring seamless software delivery and deployment.**
* Extensive **experience in various spring modules such as Spring Boot, Spring Security, Spring AMQP, Spring Data JPA and Spring Batch.**

**Skills**

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| **Languages:** Java (J2SE 1.8/1.7/1.6/1.5/1.4, JEE 6 / 5), J2EE, JSP2.1/2.0/1.2, Servlets2.x/3.x, JDBC, C++, C  **Frameworks:** Spring, Spring MVC, Spring Boot, Struts, Top Link, Hibernate, Angular,  React, DropWizard  **Web Technologies:** HTML 5/DHTML, XHTML1.1, JavaScript, jQuery, CSS3, XML1.0, Velocity Template  **Databases:** Oracle, DB2, MS SQL, MYSQL, SQL Server, Mongo DB, Cassandra | **Version Control:** GIT, CVS, SVN, Maven, JIRA  **Methodologies:** Waterfall Methodology, Agile Methodology  **Web/Application Servers:** Web Sphere 7.0, Web Sphere smash, Web Logic 6.1, JBOSS, Apache-Tomcat  **Other Tools:** IntelliJ, BIRT, Congo's, Rational Application Developer, Eclipse  **Cloud:** AWS, GCP, Azure |

**Experience**

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| **09/2023 to Current** | Sr Java Full Stack Developer  **Freedie Mac Mclean,VA**   * Proficient in React, JavaScript, TypeScript, and Java, with extensive hands-on experience in developing robust applications leveraging these technologies. * Demonstrated expertise in various AWS services, including Lambda and ECS, showcasing the ability to design, deploy, and manage scalable cloud-based systems. * Experienced in designing and implementing systems with automated testing suites such as jest and RTL, utilizing test-first development methodologies like TDD and BDD to ensure code quality and reliability. * Skilled in CI/CD technologies and approaches, including Jenkins and Github actions, enabling streamlined development workflows and continuous delivery of software. * Upgraded existing Java applications to Java 17, ensuring compatibility and taking advantage of the latest language features to streamline development processes and improve overall efficiency. * Implemented and leveraged features introduced in Java 17, including sealed classes, pattern matching for switch, and improved handling of nulls, to enhance code readability, maintainability, and performance. * Well-versed in both SQL and No-SQL databases, adept at database design, querying, and optimization to support application requirements effectively. * Comfortable and proficient in Agile Scrum methodologies, collaborating closely with team members through pairing and teamwork to deliver high-quality software solutions. * Involved in all phases of Software Development Life Cycle including requirement analysis, design, development, testing, release of the project, and support. * Used React-Router to turn application into Single Page Application * Built scripts on AWS cloud for scheduling EC2 auto-scaling load balancer with Python SDK. * Converted a monolithic app to Microservices architecture using Spring Boot following the 12-factor app methodology. Deployed, scaled, configured, and wrote manifest files for various Microservices in AWS. * Hands-on experience with Java full stack, utilizing Spring Boot, Spring Cloud, Spring Security, Spring Data JPA, Spring AOP, and Hibernate. * Designed, built, and deployed multiple applications utilizing almost all of the AWS stack, focusing on high availability, fault tolerance, and auto-scaling. * Utilized Java features such as Lambda expressions and the Stream API for bulk data operations on Collections, improving application performance. Also proficient in Spring MVC, Hibernate, and Junit frameworks. * Leveraged pattern matching for switch statements to simplify conditional logic and improve code clarity, resulting in more concise and readable code bases. * Incorporated the enhanced handling of null references introduced in Java 17, such as the new Optional methods, to enhance application robustness. * Expertise in Core Java with Multithreading, Concurrency, File Handling, I/Generics, Data Structures and Collections, Garbage Collection and in java features like Parallel Streams, Lambda, functional interfaces, and filter * Deploy enterprise web applications using technologies such as Java 11, JavaScript, CSS3, HTML5. * Skilled in data modeling for DynamoDB, including understanding and implementing one-to-many and many-to-many relationships using composite keys or secondary indexes. * Hands-on experience in Data Weave Expression Language and MuleSoft Expression Language (MEL) to access payload data. |

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| **07/2021 to 09/2023** | Sr Full Stack Java Engineer  Shaw Systems Houston Tx   * Involved in all phases of Software Development Life Cycle including requirement, analysis, design, development, testing, release of the project and support. * Build scripts on AWS cloud for scheduling EC2 auto scaling load balancer with python SDK * Converted a monolithic app to Microservices architecture using Spring Boot using 12 factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in AWS. * Hands on Java 11 full stack with spring boot, Spring Cloud, Spring Security, Spring Data JPA, Spring AOP, and Hibernate. * Designed, built, and deployed a multitude application utilizing almost all of AWS stack (Including EC2, ECS, S3, Dynamo DB, SQS and EMR), focusing on high-availability, fault tolerance, and auto-scaling. * Using Java 8 features such as Lambda expressions and the Stream API for Bulk data operations on Collections, which would improve the application's performance as well as the Spring MVC, Hibernate, and Junit frameworks, to develop the application. * Extracted, transformed, and loaded (ETL) data from various sources into HDFS, ensuring data quality and consistency. * Skilled in data modeling for DynamoDB, including understanding and implementing one-to-many and many-to-many relationships using composite keys or secondary indexes. * Hands on experience in Data Weave Expression Language, MuleSoft Expression Language (MEL) to access payload data * Created and deployed data processing pipelines utilizing Apache Spark to perform extensive data analysis and machine learning operations at scale. * Configuring application in WebSphere Application server in development and Test environment. * Utilized Amazon Web Services (AWS) EC2 to deploy Docker containers. * Built Single Page Applications framework. Built Angular 12 framework including MVC architectures, different modules, templates, custom directives, and custom filters. * Used Angular 12 framework where data from backend is stored in model and populated it to UI. * Experience in automating the infrastructure in AWSusing web services. * Designed and developed Spring REST API with Spring Boot 2.0. * Migrated SOAP web service resources to Spring RESTful web services resources using Spring REST API with Spring Boot * Implemented both batch and real-time ETL solutions depending on the business requirements. * Used advanced Java 8 features like lambda expressions for array operations, Streams, method references, and collections. * Developed and implemented data processing pipelines using Apache Spark for large-scale data analysis. * Deployed spring boot application on AWS Elastic Beanstalk. * Monitoring RESTFUL Services with Spring Boot Actuator * Implementation of Restful web services using Spring REST * Expertise in querying DynamoDB tables using key conditions, filter expressions, and advanced query features. * Adept at developing Microservices using Java 11 and Spring Boot. * Extensively worked in Test Driven Development (TDD) framework using JUnit. * Collaborated with Experience Design team to implement custom Drupal themes and ensure adherence to design guidelines * Part of team implementing REST APIs in Python using micro-framework like Flask with SQL Alchemy. * Developed restful Web-services using Django Rest framework in Python. * Executed parallel browser testing on various machines using Selenium Grid and performed cross browser testing. * Best practice using OO Design patterns, TDD methodology, PMD Code analyzer, Jacopo Code Coverage. * Consumed SOAP services and parses XML to Java Objects * Developed Servlets and servlet listeners to communicate between SAP GUI and Smart GWT server side. * Designed and developed the REST based Micro services using the Spring Boot, Spring Data with JPA and used Swagger to interact with API endpoints of the micro services. * Experience in automating the infrastructure in AWS using web services. * Involved in continuous integration and DevOps methodologies such as Docker, Kubernetes, Jenkins, Gradle, Jenkins File, Docker File and Elastic Search. * Developed story/task by following TDD/BDD and Pair programming concepts. * Mentored new team members on effective usage of the blend of Spring Boot /JPA and Java. * Developed Front-End UI technologies like HTML5, CSS3, PHP, JSON, AJAX, Angular 12, Bootstrap, Tag Libraries, JSTL, and Type Script. * Hands-on experience in developing multi-threaded applications using Java, C++, C# and Object-Oriented Analysis and Design (OOAD) * Experience in developing secure web applications using Groovy and Grails. * Hands on experience of developing and consuming REST API's using Postman. * 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. * Worked on Test Driven Development (TDD) using JUnit for writing test cases. * Proficiency in developing Kafka consumers, producers, and connectors to ingest data into Apache Kafka clusters * Developed the application using Spring Core Framework. * Proficient in using Go-lang libraries such as RPC and Protocol Buffers * Working Experience in Messing Platforms such as RabbitMQ, Kafka, AWS SQS. * Developed web applications running on NodeJS using the Express framework, Vue.js and Backbone.js with Mustache.js for front end MVC/templating. * Developed custom Elasticsearch queries and aggregations to meet specific business requirements, leveraging Elasticsearch DSL and Query DSL. * Create external tables with partitions using Hive, AWS Athena, and Redshift * Create user defined functions UDF in Redshift * Trained personnel on DevOps concepts, including Terraform, AWS, and Docker. * Automated deployments and testing on GCP using Kubernetes, Docker, and Jenkins * Experienced in developing desktop applications using C++, C# and Java Swing. * Develop and maintain Java applications using Test-Driven Development (TDD). * Skilled in writing unit tests for Java and Go-lang applications * Helped migrating and managing multiple applications from on premise to cloud using AWS services like S3, Glacier, EC2, ECS, RDS, SQS, SNS, SES, Cloud Formation, VPC etc. * Designed, Developed and Deployed reports in MS SQL Server environment using SSRS |

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| **02/2020 to 06/2021** | Sr Full Stack Java Developer  Fidelity westlake, Texas   * The application is built on Microservices Oriented Architecture using MEAN (MongoDB, Express JS, Angular 8.0/7.0 and Node.js 12) stack and developed Responsive Single Page Applications (SPA). * Designed, analyzed, and developed the front-end and back-end Servlets, Bootstrap for designing, HTML5, CSS3, Angular JS, Ember JS and AJAX for developing presentation layers. * Skilled in writing unit tests for Java and Go-lang applications * Proficient in deploying and managing Spark applications on cluster environments like Apache YARN or Apache Mesos. * Knowledge of best practices for handling read and write capacity units, auto-scaling, and DynamoDB Streams for real-time data processing. * Having a good experience in creating and publishing Web Services using WebLogic Workshop Tool. * Expert knowledge of and experience in Object oriented Design and Programming concepts. Good Knowledge of Python and Python Web Framework Django. Very strong experience writing API's/ and Web Services in PHP and in Python * Experienced in developing Java 11 applications with popular frameworks such as Spring, Hibernate, etc * Integrated Fisheye/crucible with JIRA and bamboo for the tracking of the issue and continuous integration. * Experience with NoSQL document-based data stores like MongoDB and have designed various data models for the system. * Good experience in developing complex databases using PL/SQL with ETL functionality. * Worked with CSS pre-processors like Sass/SCSS for styling React components. * Experience in using various Web and Application Servers like Apache Tomcat, and IBM -WebSphere process server. * Involved in deploying applications into MuleSoft Cloud Hub and Mule Management Console * Hands-on experience with React Hooks for managing state and side effects in functional components. * Involved on Cucumber testing and defined the test scenarios and created the test cases in Test Manager. * Used Java 8 features like Lambda Expression and Developed application * Developed the back-end web services using Python and designed the front end of the application using Python and Scala, CSS, JSON, Drupal, WordPress and jQuery. * Utilized Java 11features such as local variable type inference, switch expressions, and the new HTTP API for improved code readability and performance. * Used collections in Python for manipulating and looping through different user defined objects. * Designed, implemented, and optimized Elasticsearch clusters to ensure efficient search functionality and data retrieval for large-scale applications. * Setup AWS VPC's for dev, staging and Prod environments. * Conducted performance tuning of Spark jobs for optimal execution time and resource utilization. * Extensively using Java 8 along with Spring MVC, Hibernate and Junit frameworks. * Experience in working with CI/CD tools like Jenkins and migrating towards GitLab CI CD. * Implementation of a responsive UI which will scale itself depending on the device, platform, and browser, using React.JS, HTML5, CSS3, Bootstrap and Performed client-side validations using JavaScript. * Monitored resources and applications using AWS cloud watch including creating alarms to monitor metrics such as EBS, EC2, ECS, ELB, RDS, S3 and configured notifications for the alarms generated * Proficient in creating backups and restoring DynamoDB tables using AWS Backup or Data Pipeline. * Worked on deploying services on Docker and Kubernetes containers based on events defined. * Built a highly scalable, low-latency Node-JS API Gateway to interact with MongoDB databases with JSON using Express JS middleware. * Design and development of Microservices using Spring Boot, Java 8, Kafka, NoSQL, and other Java/J2EE development technologies. * Integrated Apache Spark with other components of the big data ecosystem, such as Hadoop, Hive, and HBase. * Worked on Test-driven development (TDD) and Behavior Driven Development (BDD) to generate JUnit test cases for testing various Java components. * Integrated Elasticsearch with existing systems and applications, including data ingestion pipelines and search APIs, to enhance search capabilities and improve data analysis. * DevOps experience with Jenkins, Gradle, GitHub, Artifactory, Maven and Docker. * Mainly involved in deployment activities CI/CD deployment and familiar with OSE (Open shift origin). Also made changes in Jenkins Files as per the requirement of the pipeline. * Created and maintained ETL documentation, including design specifications, data mappings and transformation rules. * Implemented user authentication and authorization using React and authentication libraries like JWT. * A working understanding of object-oriented programming (OOPS) and design. * Experienced in front-end technologies such as Angular, HTML5 and Bootstrap. |

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| **08/2018 to 01/2020** | Sr Full Stack Java Developer  Southern California Edison － Rosemead, CA   * Used Java 1.8 Lambda expressions and Stream API to support functional-style operations on streams of elements. * Worked on Java functional programming concepts like Streams, Functional Interfaces, new date time API and lambda expressions. * Knowledge of working with Java 11 libraries such as JAX-RS, JAX-WS, and JPA. * Designed and configured Azure Virtual Networks (VNETs) along with Subnets to establish secure and isolated network environments. * Core Java with Concurrent API is used extensively for parallel processing and chunk processing. * Apache camel Kafka end point used to publish trade flow to Apache Kafka * Strong understanding of React.js fundamentals, including components, state, props, and lifecycle methods. * Developed code for Responsive web design in JavaScript using ReactJS. * Knowledgeable in using Java and Go-lang frameworks such as Spring and Gorilla * Used GCP's Cloud Natural Language API to extract insights from text data. * Developed Cloud Dataflow pipelines to process large datasets and ingest them into BigQuery * Maintained Interface compatibility and concurrency in the project using Java 1.8 new features like Lambda expressions, default, static methods, and Concurrency API. * Developed Angular Components, Services, and Filters and took part in developing unit test and integration test cases using Jasmine, Karma. * Consumed REST services using Angular HTTP and performed various REST Http operations for data retrievals and updates. * Managed data effectively through Azure Storage services, including Azure Blob Storage for object storage needs. * Used Spring Boot which is radically faster in building cloud Micro Services and develop Spring based application with very less configuration. * Developed Micro services & APIs using Spring Cloud, Spring Security, Spring Boot, Spring Integration. * Spring JDBC used retrieve and update, inserting data in oracle database with use of stored procedures. * Utilized Azure Active Directory (Azure AD) for managing user identities, enabling seamless access to Azure resources. * Used Apache Maven as a build tool for building the Restful web-service |

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| **03/2017 to 07/2018** | Java Full Stack Developer  Mitsubishi Motors North America Franklin, TN   * Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development. * Developed UI component with AngularJS framework by utilizing the core features like MVC pattern and Dependency Injection. * Developed the back-end web services using Python and designed the front end of the application using Python, CSS, JSON, Drupal, jQuery and WordPress. * Used collections in Python for manipulating and looping through different user defined objects. * Used Multithreading to improve the performance for processing of data feeds. * Implemented AngularJS Data Binding capability in HTML5 to give users a rich and responsive experience. * Used jQuery to modify DOM elements content by using a cross-browser selector engine called Sizzle. * Implemented test driven development (TDD), executed unit test plans and Grails Spock Test cases for all existing controllers, Services and Domain classes and Grails Pagination to display data using Grails Templates and views. * Implemented Spring Security for user authentication, limit login attempts and password hashing. * Developed Web Services (SOAP) using Spring-WS to handle user requests and interact with other components. * Developed Microservices using Spring Boot and Spring Batch that create, update, delete and get the assignment information from the backend. * · Implemented Web Services clients for APIs by using Spring Webservices Template class. * Designed and Developed Stored Procedures, Triggers in MS SQL to cater the needs for the entire application. Developed complex SQL queries for extracting data from the database. |

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| **07/2012 to 06/2016** | Java Developer  Client : Polaris － Hyderabad, IN   * Involved in complete SDLC - Requirement Analysis, Development, System and Integration Testing. * Extensively used agile and Scrum methodologies, worked closely with End users and business analyst to understand the requirements. * Implemented redux to resolve the application's global state management, especially for user login status. * Worked closely with the back-end team to display data using the Custom components, Library components, and Redux. * Experience in Web application development using Angular with cutting edge HTML5 and CSS3. * Expertise in Java development skills with core Java8, JDBC, Hibernate and solid experience in MVC architecture, using Spring, Spring MVC. * Experienced in developing messaging module by using Spring JMS, Ap1ache Camel and Rabbit MQ. * Used Spring Core annotations for Spring Dependency Injection, Spring MVC for Rest API's and Spring Boot for microservices. * Competent Spring with JDBC / Hibernate modules and Hibernate for ORM frameworks. * Development of cloud hosted web applications and REST APIs using Spring Boot with embedded Tomcat. * Developed Spring Boot based Micro Services & implemented Spring cloud/Netflix API architecture p Confidential erns (Eureka Service discovery, Configuration server). * Used Continuous delivery / Continuous Integration (CD/CI) tools Docker, Jenkins to deploy this application to AWS along with GIT for Version Control of code for incremental development. * Experience in Micro services development using spring boot and deployment in Pivotal Cloud Foundry (PCF), analyzed log files using Pivotal Cloud Foundry (PCF) console. |