**Yaswanth Vandavasi Venkata**

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**PROFESSIONAL SUMMARY:**

* Full Stack Java Developer with over 10+ years of experience, leveraging a robust proficiency in **Java 8/11**, **J2EE**, and utilizing frameworks like **Spring, Spring Boot, Spring MVC, Spring IOC, Spring Security**, and **Hibernate** for robust backend solutions.
* Expertise in front-end technologies including **React**, **Angular 4/5/6/8/9/11/13/15, Node.js**, and proficient in **HTML5, CSS3, Bootstrap, jQuery, AJAX, SASS, and SCSS.**
* Skilled in **TypeScript** and various **JavaScript** frameworks like **AngularJS**, **React.js**, **Redux**, **Next.js**, plus **Node.js** and **Express.js** for both client and server-side development.
* Proficient in **Java**, **C++**, **PL/SQL**, and **Python**, demonstrating expertise in building robust and scalable backend systems.
* Proficient in **Agile** and **Waterfall** methodologies, excelling across the **SDLC** with strong collaboration, communication, and time management skills, ensuring efficient and scalable code delivery aligned with business goals.
* Proficient in developing microservices and managing servers like **Apache Tomcat, WebLogic, JBoss,** and **WebSphere.**
* Skilled in database design and management with **Oracle, MS SQL, MySQL**, **PostgreSQL** leveraging **NoSQL** databases like **MongoDB, DynamoDB and Cassandra**.
* Proficient in project management and documentation using **JIRA, Confluence, Swagger**, and **Grafana**.
* Extensive experience with cloud platforms, including **AWS** (EC2, ECR, ECS, IAM, EKS, RDS, Lambda, S3, CloudWatch, SQS, Glue, Elastic Beanstalk), **Azure** and **PCF.**
* Proficient in managing and streaming messaging systems with a focus on event-driven architecture, using tools like **Apache Kafka, Active MQ, RabbitMQ,** and **Spring JMS**.
* Implemented robust security protocols and features like **LDAP**, **OAuth 2.0**, **Spring Security** and **JWT** for token-based authentication, ensuring the safeguarding of applications and sensitive data.
* Hands-on experience with big data technologies such as **Apache Spark**, skilled in data visualization with **Kibana**, providing actionable insights for strategic decision-making.
* Managed **Kubernetes** for optimized scalable container deployments and high availability.
* Utilized **Terraform** for infrastructure as code, streamlining resource provisioning.
* Skilled in managing serverless **APIs** with API Gateway, integrating backend services using JAX-RS (**REST**) and JAX-WS (**SOAP**) for web service development, and proficient in connecting them with front-end applications.
* Expertise in **Graph QL** for efficient data queries, **Graph DB** for complex data relationships, and **Solr** for high-performance search functionality.
* Demonstrated expertise in **Scala** programming and leveraging the **Spark** framework to develop scalable and efficient data processing and analytics solutions.
* Proficient in utilizing **BigQuery** for large-scale data analytics and employing **Kibana** for insightful dataset visualization, enhancing decision-making processes.
* Strong expertise in **J2EE** testing, proficient in developing and executing test cases with **JUnit, Mockito, Jasmine, Karma, Jest, Enzyme, Selenium** and **Cucumber**, adhering to **TDD and BDD** principles.
* Experienced in **Agile** methodologies, including **SCRUM** and **Kanban**, with advanced skills in logging using **Log4J** and **Splunk** for quality assurance in dynamic development environments.
* Skilled in software development and version control using **GIT**, **GitLab**, **GitHub** and **Bitbucket**, adept in **IntelliJ IDEA** and **Eclipse IDEs**, proficient in build automation with **Maven and Gradle.**
* Specialized in Continuous Integration and Continuous Deployment (**CI/CD**) using **Jenkins**, adept at constructing streamlined pipelines and effective application delivery through **Docker** container services.

**Educational Details: Bachelor’s**: Vellore Institute of Technology, INDIA. | **Branch**: Computer Science | **Passed year**: May 2012

**TECHNICAL SKILLS:**

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| Languages | C, C++, Java 11/8, J2EE, JavaScript, Python 3.6.0, SQL |
| Web Technologies | jQuery, HTML, HTML5, CSS, CSS3, Bootstrap, TypeScript, AJAX, DOM, JSON, XML, SASS, SCSS |
| JavaScript Technologies | AngularJS, Angular 4/ 5/6/ 8/ 9/ 11/ 13/15, React.js, Next.js, Node.js, Express.js |
| Java Technologies | Spring, Spring Boot, Spring Cloud, Spring MVC, Spring IOC, Spring Security, Hibernate, Servlets, JDBC, JSP, JSTL, Swing, EJB, Scala, JAXB, Struts |
| Database/RDBMS and ORM | Oracle, MS SQL Server, MySQL, MongoDB, Redis, Cassandra, PL/ SQL, PostgreSQL, Graph DB Dynamo DB, BigQuery, Spark |
| Web Services | RESTful, SOAP, WSDL, Graph QL |
| Testing Frameworks | JUnit, Jasmine, Karma, Mockito, Enzyme, Jest, Log4j, Cucumber, Splunk, TDD, BDD, Postman, Selenium |
| Web Servers | Apache Tomcat, WebSphere, WebLogic, JBoss, Jetty, RBAC |
| Tools and Packages | GIT, IntelliJ IDE, Eclipse IDE, GitHub, Maven, Gradle, Jenkins, JIRA, Swagger, Grafana, Bitbucket, Docker, Kubernetes, Apache Camel, Kibana, Confluence, YAML, Helm charts, Solr. |
| Cloud | AWS, Azure, OpenShift, PCF. |
| Messaging | JMS MQ, Rabbit MQ, Apache Kafka, Active MQ, Amazon SQS |

**PROFESSIONAL EXPERIENCE:**

**Client:** **FM Global, Walnut Creek, California Aug 2022 – Till Date**

# Role: Sr. Java Full Stack Developer

# Project: Smart Insurer

# Led Smart Insurer project, revolutionizing commercial insurance underwriting with tailored pricing models. Utilized advanced dashboard integrating location, value, and credit history for informed decision-making.

# Responsibilities:

* Developed dynamic, responsive user interfaces with **Angular 15**, TypeScript, Bootstrap, HTML and CSS focusing on high-quality, maintainable code.
* Responsible for the development of Single Page Applications (SPAs) using **Angular** frameworks to improve the productivity of the internal team.
* **Point of contact for multiple PODs** (Ordering, Address, and Payments) and used to handle **end-to-end tasks**.
* Enhanced data stream processing in microservices using **Java 8** features like Streams, Collectors, and lambda expressions, streamlining code, and improving backend efficiency.
* Leveraged **Java 8**'s new Date and Time API for precise and efficient handling of time-related operations in application logic.
* Enhanced performance with **Java 11**'s improved garbage collection and HTTP Client API; Applied new lambda and switch expression syntax for readability.
* Streamlined code using **Java 11** features like var in lambdas, enhanced string handling for efficiency and improved readability.
* Implemented **Multithreading**, Concurrency, Exception Handling and Collection whenever necessary.
* Used several **J2EE** **Design** Patterns (Session Façade, Aggregate Entity) for the Middle Tier development.
* Designed robust **RESTful APIs** using **Spring MVC** and **JAX-RS** within a microservices architecture, ensuring seamless front-end communication and durable endpoints.
* **SOAP-UI** was used extensively for testing webservices across all environments.
* Extensively participated in working with **Spring framework.** Involved in writing **JSP** and **Servlets**.
* Leveraged **Spring** **Cloud** for distributed systems, configuration management, and service discovery in microservices.
* Leveraged **Python** for backend scripting, automation, and tool development, enhancing the technology stack and workflows.
* Integrated **Scala** concurrency and Akka's actor model for efficient financial data processing and API integration, ensuring Java compatibility.
* Utilized **AJAX** with **JSON** and **XML** for efficient, asynchronous data exchange in web services.
* Written Stored Procedures using **PL/SQL** and functions and procedure for common utilities using **Oracle11g**.
* Integrated **Oracle** databases with Java back-ends using **JDBC** and **JPA/Hibernate** for seamless data communication and **CRUD** operations, Integrated with API Gateway for scalable **RESTfu**l APIs.
* Developed **DAO** layer using **Cassandra** and expertise in **CQL** (Cassandra Query Language), for retrieving the data present in **Cassandra cluster** by running queries in **CQL**.
* Tracking and managing project issues using **JIRA**, leveraging its **agile** board and custom workflows.
* Optimized **Spring** **Batch** for data handling in microservices and **CI/CD** with chunk processing and retry/skip logic.
* Created multiple **Kubernetes** Clusters in **AWS** and deploying a **Docker** Image on top of Kubernetes Cluster for testing purpose.
* Developed **Terraform** scripts to automate infrastructure provisioning, configuration, and deployment in **AWS**, resulting in a 50% reduction in deployment time.
* Optimized **Kafka** **cluster** performance by monitoring and tuning **Kafka** configurations and server resources.
* Integrated **Kafka** with real-time data processing frameworks such as **Apache Flink** and **Spark** Streaming.
* Overseen **CI/CD** pipelines using Jenkins for automation along with **LINUX** Shell scripts to automate routine jobs, **Maven** for dependency management, and **Git, GitLab** for version control.
* Implement **Groovy scripts** in Jenkins pipelines to automate and enhance **CI/CD** processes, particularly for managing and deploying Java-based applications.
* Conducted system monitoring and performance tuning using **Elasticsearch** and **Kibana**, focusing on high application performance and availability.
* Implemented robust security measures with **Spring Security** using **OAuth 2.0** for authorization and **LDAP** for authentication.
* Managed **AWS EC2** for scalable web applications and **S3** for secure storage, integrating **AWS Lambda** with API Gateway for serverless **Python** and **Node.js** scripts.
* Deployed microservices efficiently using **AWS ECS** with Fargate and orchestrate containers with **AWS EKS** for automated, secure management.
* Utilized **AWS IAM** for robust access control and user management; implemented **AWS RDS** for database management.
* Utilized **GraphQL** for efficient and flexible data queries, enhancing client-server interactions and data retrieval processes.
* Using **Redis** cache in **Microservices** to reduce server overload. Designing several DATA pipelines using **Kafka**.
* Tested APIs with **Postman** and ensured code quality with **Sonar Lint**, Documented APIs using **Swagger**, ensuring clear and concise API documentation.
* Developed robust unit and integration tests using **JUnit**, **Mockito**, and **Selenium**, adhering to Test Driven Development (**TDD**) principles for comprehensive end-to-end testing.
* Developed Angular unit tests with **Jasmine** and **Karma**, used **log4j** for effective logging and tracing messages.
* Managed application server environments with **Apache** **Tomcat**, optimizing for performance and reliability.

**Environment**: Angular 15, TypeScript, HTML, CSS, JSON, Java 8, Java 11, J2EE, Spring, Spring Boot, Spring batch, Spring MVC , Spring Cloud, REST, Python, Scala, ,Graph QL, Oracle, Cassandra, DB2, Hibernate, Docker, Kubernetes, Terraform, Kafka, Jenkins, Groovy scripts, Maven, Git, Elasticsearch, Kibana, OAuth, LDAP, Spring Security, AWS, Agile, TDD, Junit, Mockito, Selenium, Jasmine, Karma, Apache Tomcat, PL/SQL**,** Jira, Swagger, Postman, SDLC, Apache Flink, Spark.

**Client: CVS health, Scottsdale, AZ**. **Dec 2020 – July 2022**

**Role: Java Full Stack Developer**

**Project: Novologix**

The Novologix application at CVS is patient authorization for the high cost medication decision and claim management system for insurance clients.

**Responsibilities:**

* Applied **Agile** methodologies and **Scrum** for efficient project management.
* Created dynamic user interfaces using **ReactJS** for its **virtual DOM** feature, **JavaScript** for client-side scripting, and **HTML/XML and CSS** for webpage structure and style.
* Implemented **Redux** for state management and **Redux Saga** for asynchronous **API** calls, including middleware integration for **RESTful** services and side effects management in React applications.
* Managed data exchange and **API** interactions using **AJAX, JSON, XML**, ensuring robust communication between frontend and backend.
* Managed data serialization and deserialization using **JAXB** for **XML** binding, and **JSON** for data representation.
* Enhanced functionality using **Java 8**, focusing on Lambda Expressions and Streams; plan migration to **Java 11** for advanced features such as the improved ZGC (Z Garbage Collector).
* Utilized **Java 11**'s HTTP Client API to build robust and responsive applications.
* Optimized multi-threading for **Core Java** applications and minimized memory leaks in Core Java code.
* Built on-premise data pipelines using **Kafka** and **Spark** streaming using the feed from API streaming Gateway **REST** service.
* Responsible for migrating existing modules in **Rabbit MQ** to **Apache** **Kafka** and worked on creating **Kafka** adaptors for decoupling the application dependency.
* Build efficient **Kafka** producers and consumers for reliable messaging in distributed systems.
* Implemented the service layer using **Spring 5** with transaction and logging interceptors.
* Used **Spring AOP** to implement various features of the application such as security, where crosscutting concerns identified.
* Architect and deploy Spring Boot microservices, integrating **Spring IOC** for dependency injection and **Spring API** for creating loosely coupled, modular applications.
* Optimized data storage using **PostgreSQL** for relational databases and management with **Hibernate ORM** and **JPA** for efficient data access and transaction handling.
  + Implemented **JWT** with **Spring Security** for secure authentication and integrated Spring Boot Actuator for enhanced security and management of microservices.
* Used **Spring Boot** for building applications with spring initializers and bootstrapping the build configuration and develop custom solutions that act upon Jenkin's information in authentic time.
* Created advanced web applications with **JSP** and **JSF**, incorporating **AJAX** for real-time user interactions and data updates.
* Developed a **CI/CD** system using Jenkins within a **Kubernetes** container environment, leveraging **Docker** for building, testing, and deploying applications.
* Led the integration of **AWS** **Lambda** to create a seamless, serverless architecture, enhancing the efficiency of data processing and risk assessment modules.
* Seamlessly integrated **AWS ECS** and **S3** services with **Node.js** applications, optimizing data flow and improving overall system efficiency.
* Leverage **AWS Glue** for serverless data integration and ETL, streamlining data transformation and analytics processes.
* Configured **AWS** **CloudWatch** Logs for centralized logging, setting up log streams and retention policies to manage logs from **EC2**, **Lambda**, and other services efficiently.
* Developed custom **Splunk** data collectors for Java applications, enabling the capture of critical application metrics, logs, and events. This allowed for proactive monitoring and quicker issue resolution.
* Developed and executed unit tests and integration tests using **Jest** and **Selenium**, adhering to **TDD** methodologies.
* Configured and monitored numerous **MongoDB** and **NoSQL** instances. **MongoDB** Schema Design using DB Ref, Manual Ref, Embedded Data Model Design.
* Performed **CRUD** Operations like Update, Insert and Delete data in **MongoDB** and handled database access and data transmission based on **RESTful** Web Service.
* Designed and configured management reports and dashboards using **Kibana**.
* Implement Role-Based Access Control (**RBAC**) for secure system access and manage application configurations with **YAML** and **Helm** charts.
* Integrated **Redis** for caching to enhance application performance.
* Implemented **ELK** stack by integrating **Kibana** with **Elasticsearch** and **Logstash** for comprehensive log management.
* Utilized **Spark** for large-scale data processing and analytics, employing **BigQuery** for efficient handling of extensive datasets.
* Process large-scale data with **Scala** and **Spark**, utilizing **Spark SQL** for structured data querying and **GraphX** for graph data analysis.
* Managed application server environments with **WebLogic**, optimizing for performance and reliability.

**Environment**:  Java 8, Java 11,Core Java, Spring, Spring Boot, Spring IOC, Spring API, Kafka, Hibernate ORM, HTML5, CSS3, JavaScript, React.js, Redux, JSP, JSF, AJAX, JSON, XML, Docker, Kubernetes, Solr, Jenkins, Maven**,** GIT, Rest Services, WebLogic, MongoDB, PostgreSQL, AWS, Log4j, Jest, Enzyme, Selenium, Splunk, jQuery, Scala, Spark, RBAC, Kibana, TDD, BigQuery, Redis, JWT, Spring Security, YAML, Helm charts, JIRA.

**Client: State of Nebraska, Lincoln, NE. Aug 2018 – Nov 2020**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Engaged in **Agile** Development methodologies, emphasizing effective communication across all stages of the Software Development Life Cycle (**SDLC**) and enhancing team collaboration through **Angular's** modular architecture.
* Designed and implemented responsive web interfaces leveraging **Angular**, employing **HTML5**, **CSS3** media queries, **TypeScript**, and **Bootstrap** to facilitate dynamic user experiences with two-way data binding and Angular directives.
* Employed **Java 8’s** Interface Default and Static Methods to create more flexible and easily maintainable code structures, promoting better API design.
  + Implemented **Bean** classes and configured in spring configuration file for **Dependency Injection, Developed Controller Classes using Spring MVC, Spring AOP, Spring Boot, Spring Batch modules, handled security using Spring Security.**
  + Build rich user interfaces with the **JSF** Framework, using **Hibernate** to communicate with **PostgreSQL** database and queries using HQL.

• Implemented **SOAP** web services using **JAX-WS** for interoperable machine-to-machine communication.

* Designed and optimized **MongoDB** database schemas and queries for efficient data storage and retrieval.

• Optimized data retrieval with **MongoDB** indexing and configured cloud clusters with **MongoDB Atlas.**

* + Write and maintain unit tests with **Junit** using **TDD** principles, ensuring code reliability and robustness.
  + Used **Azure** DevOps for automated **CI/CD**, Implemented event-driven microservices with **Azure** Functions.
  + Utilized **Azure App Service** and Functions for scalable hosting and event-driven computing.
  + Automated deployment of secrets and certificates from **Azure KV** into Azure Kubernetes Service (**AKS**), securing containerized applications.
  + Integrated **Azure** **KV** with **Azure** **AD** for identity-based access control, ensuring secure and selective access to sensitive information based on roles.
  + Utilized **Docker** for containerization, and **Kubernetes** for orchestrating and managing containerized applications.
  + Utilized **RabbitMQ** for efficient message brokering across distributed microservices, ensuring scalability and reliability.

• Used **Gradle** for build automation and **Log4J** for logging and tracing messages.

* Implemented Spring Security with **JWT** for enhanced security and code quality in Spring Boot through testing.
* Utilized **Selenium**, **Jasmine**, and **Karma** for thorough automated testing of both front-end and back-end, ensuring application reliability.
* Leveraged **Apache Tomcat** for server management, focusing on deployment and environment handling.

**Environment**: Angular, Core Java, Java8, J2EE, Spring Boot, Microservices, JSF, Spring Security, Spring MVC, Spring AOP, Spring Batch, Angular, NodeJS, RabbitMQ, JavaScript, Apache Tomcat, HTML5, CSS, Bootstrap, SOAP, MongoDB, PostgreSQL, Graph DB, JUnit, Jenkins, Log4j, JIRA, Git, Azure, Docker, Kubernetes, Terraform, TDD, Selenium, Jasmine, Karma.

**Client: FedEx, Memphis, TN. Oct 2016 – July 2018**

**Role: Java Full Stack Developer**

**Responsibilities:**

* + Developed scalable **Java** **8** and **11** applications focusing on **Lambda** Expressions, **Streams**, and Spring Boot microservices, employing Spring Framework in **MVC** design for backend operations, and adhering to **TDD** principles.
  + Managed microservices architecture using **Spring** **Boot** for scalable solutions, deploying services with Docker for containerization, and configuring spring-config.xml.
  + Experienced in using **React JS** code for making calls (GET, POST, PUT, DELETE) for fetching data from Restful API's
  + Worked with **Redux** reducers to capture the essence of flux stores, gradually migrated from existing Flux towards **Redux**.
  + Integrated custom Docker images with Spring Boot **microservices** for containerization, managed database interactions with **Hibernate** **ORM**, and applied dependency Injection for development efficiency.
  + Overseen **Kubernetes**-managed **Docker** clusters, utilizing Jenkins for **CI/CD**, JFrog Artifactory for artifact management, **GIT** for version control and implement **RBAC** and administer **RHEL** servers, configure network policies in Kubernetes.
  + Implemented Spring Security with **Hibernate** for secure applications, develop **Kafka** clusters for messaging, and handle real-time data analytics with **Kafka** Streams.
  + Used **OpenShift's** integration with Jenkins and other **CI/CD** tools to automate build, testing, and deployment workflows.
* Execute serverless functions with **AWS** **Lambda**, integrating with **S3** for event-driven processing.
  + Formation, manage Docker deployments using **AWS Elastic Beanstalk** and **AWS CloudWatch** for monitoring.
  + Defined Kubernetes resources using **YAML** and **Helm** **charts**, manage data models in **Cassandra**, tune Elasticsearch clusters, and configure network policies in Kubernetes.
  + Developed **REST** microservices with Spring Boot, data caching with **Redis**, and asynchronous processing with **Amazon SQS**; leverage **Node.js** for server-side development.
  + Integrated **Drools** with Java for rule-based logic, implemented database access for **MySQL** on relational data storage.
* Managed application server environments with **WebSphere**, optimizing for performance and reliability.

**Environment**: Java 8, Java 11, Spring, Spring Boot, Hibernate, Reat.js, Redux, HTML5, CSS3, JavaScript, TypeScript, JSF, SQL, Cassandra DB, Hibernate ORM, Docker, Kubernetes, Jenkins, JFrog Artifactory, GIT, Gradle, AWS, Elasticsearch, Spring Security, OAuth, RBAC, Eclipse, WebSphere, Red Hat Enterprise Linux (RHEL), Drools, Redis, ECM workflows, YAML, and Helm charts.

**Client: Morgan Stanley, New York City, NY. Nov 2013—Sep 2016**

**Role: Java Developer**

**Responsibilities:**

* Implemented web application request-response handling using **Servlets**, enhancing server-side processing and seamless frontend integration.
* Developed and maintained **SOAP**-based web services with **WSDL** to ensure interoperability and seamless data exchange.
* Involved in working with **Oracle** databases and Proficiency in writing **SQL** Queries and stored procedures.
* Created web services using **JAX-WS** for interoperability and API design and optimized **Oracle** performance with **PL/SQL** scripts and **Hibernate ORM**.
* Configured **Apache Server** for web hosting, focusing on performance, security, scalability, and utilized **Struts** for **MVC**-based web application development.
* Applied **DAO** patterns for database interactions and **AOP** in Spring for efficient logging and transaction management, utilizing **AWS** for scalable cloud infrastructure and services.
* Implemented **Spring Batch** for robust batch processing, optimizing data handling and task automation in backend operations.; maintain unit tests with **JUnit**, following **TDD** principles.
* Integrated **Hibernate** for database interactions and implemented scalable microservices with **Spring Boot** for rapid development and cloud adaptability.
* Enhanced message handling with **RabbitMQ** in microservices architecture, ensuring rapid development, maintainability, and effective communication.

**Environment**: Java, JSP, Servlets, XML, SOAP, WSDL, Oracle, Eclipse, JAX-WS, PL/SQL, Apache Server, Struts, DAO, AOP Spring, MVC Spring, Hibernate, JUnit, Maven, RabbitMQ, AWS, Apache tomcat, AWS.

**Client: NetScout Systems Software India Private Ltd, India**. **Feb 2013 – Sept 2013 Role: Java Developer**

**Responsibilities:**

* Developed **Java/J2EE** applications focusing on backend logic, data processing, and system integration, utilizing **Core Java** for efficiency, and integrating scalable **microservices** with **Spring Boot**.
* Developed and consume **SOAP** web services for secure and scalable data exchange between systems.
* Micro services development using spring boot and deployment in **Pivotal Cloud Foundry (PCF).**
* Experienced with Middleware Technology Messaging Brokers like **Active MQ** in **SOA** (Service Oriented Architecture).
* Managing project issues with **JIRA** and documenting processes in **Confluence** for seamless collaboration.
* Used **Selenium** for automated testing of web applications, enhancing reliability and robustness.
* Managed data with **DynamoDB**, focusing on performance and scalability for handling unstructured data.
* Conduct performance testing and follow **TDD** principles for web applications using **Apache JMeter.**

**Environment**: Java, J2EE, Git, Spring, Core Java, SOAP Web Services, JIRA, Selenium, DynamoDB, Apache JMeter, PCF.