**TARUN KORADA**

Full Stack Developer

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**PROFESSIONAL SUMMARY**

* 11+ years of experience in Requirements Analysis, Design, Development, and Implementation of **Java**, **J2EE**, and client-server technologies.
* Proficient in **Java (8, 11, 17)** and modern programming languages like **Kotlin**, **Python**, **Spark**, and **Scala**. Expertise in **Microservices**, **Spring Boot**, **and AWS Cloud Services (S3, EC2, Lambda, RDS)**.
* Skilled in front-end technologies including **Angular (15, 10, 5)**, **ReactJS**, **HTML**, **CSS**, and **JavaScript**. Experienced in creating rich user interfaces and dashboards.
* Hands-on experience with container orchestration using **Kubernetes**, **Docker**, and **OpenShift**, ensuring scalable and reliable deployments.
* Extensive expertise in **RESTful APIs**, **GraphQL**, and **WebSocket** programming for real-time communications.
* Strong understanding of **Agile** and **SCRUM** methodologies, with a focus on Test-Driven Development (**TDD**) and Behavior-Driven Development (**BDD**) using tools like **Cucumber**, **JUnit**, and **Mockito**.
* Proficient in data pipeline design, using tools like **Apache Kafka**, **PySpark**, and **AWS** **Glue** for real-time and batch data processing.
* Expertise in designing and implementing scalable and efficient data pipelines, leveraging modern tools like **Apache Kafka**, **Spark**, and **AWS Glue** for real-time and batch data processing.
* In-depth experience with databases such as **MongoDB**, **DynamoDB**, **Big Query**, **Oracle DB**, and **MySQL**, with expertise in ORM tools like **Hibernate**.
* Skilled in developing and integrating enterprise applications with **SOAP**, **XML**, JAX-WS, and JAXB. Proficient in UML and object-oriented design.
* Comprehensive experience with CI/CD tools (Jenkins, GitLab), build tools (Maven, Gradle), and monitoring platforms (Kibana, CloudWatch, SonarQube).

**Technical Skills**

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| **Category** | **Skills** |
| **Languages** | Java 8, Java 11, Java 16, Java 17, JavaScript, Spark, Scala, Core Java, Kotlin, qwGolang, Python, PHP, C Language |
| **Technologies** | Spring, Spring Boot, Microservices, CI/CD Pipelines, TDD, BDD, JPA, JDBC, Hibernate, JSP, JSTL, RMI, APPLETS, AWT, Restful API, WSDL, SOAP, JAX WS Apache axis, XSD, JMS, GraphQL |
| **Web Technologies** | Angular-15, Angular-10, Angular-5, React, ReactJS, Handlebars.js, Backbone.js, HTML, DHTML, CSS, JSON |
| **Development Tools (IDEs)** | IntelliJ, Eclipse, Visual Studio, STS |
| **Web/Application Servers** | Apache Tomcat, WebLogic, IBM Web Sphere |
| **Testing Tools** | Jasmin and Karma, JUnit and Mockito, Selenium, Cypress |
| **Database** | NO SQL, Mongo DB, Dynamo DB, MY SQL, Oracle DB, DB2, Mongo DB compass (), Big Query |
| **Methodologies** | Agile with Scrum, Agile with Kanban, Waterfall |
| **Build Tools** | Maven, Gradle, GIT, GitLab, GitHub, CVS |
| **Cloud Services** | AWS EC2, AWS ECS, AWS S3, AWS RDS, AWS Lambda |
| **Cloud Technologies and Containerizations** | AWS, GCP, Azure, Dockers, Kubernetes, OpenShift, OpenStack |
| **Monitoring Tools** | Kibana, Cloud Watch, SonarQube, Sonar lint |

**Work Experience**

**Zurich Insurance, Plano, TX Nov 2022 to Present**

**Full Stack Developer**

**Responsibilities:**

* Developed event-driven **microservices** with **Spring Boot**, integrating with insurance data streams for automated claims adjudication and policy updates
* Developed and deployed **RESTful APIs** to integrate customer data securely with downstream systems, leveraging **Hibernate** for efficient database interactions with MongoDB and relational databases.
* Automated **CI/CD pipelines** using **Jenkins** and containerized **microservices** with **Docker**, ensuring seamless deployments and minimizing downtime for critical insurance applications.
* Enhanced UI functionality using **Angular 15** for seamless policy updates and agent workflows.
* Deployed applications in a **Kubernetes** environment, leveraging its orchestration capabilities for auto-scaling and efficient resource utilization.
* Integrated real-time data streaming solutions using **Apache Kafka** and **Spring Boot**, enhancing claims processing and policy updates.
* Centralized logging and monitoring by integrating **ELK stack (Elasticsearch, Logstash, Kibana)**, enhancing issue detection and resolution times for critical insurance applications.
* Implemented distributed data processing workflows using **Apache Spark** for large-scale insurance claims and policy data analysis.
* Implemented serverless workflows using **AWS Lambda**, automating claims processing and policy validation, reducing processing time by 25% and ensuring scalability during peak loads.
* Migrated insurance application modules to **Kotlin**, ensuring compatibility with existing **Java** components and improving maintainability.
* Built custom libraries and reusable **Python** modules to streamline application development and enforce coding standards.
* Developed high-performance REST APIs using **Golang**, handling concurrent requests efficiently and reducing response times by 30%
* Conducted end-to-end performance tuning of **Java microservices**, improving response times by 40% through JVM optimization and query optimization using **Hibernate**.
* Developed WebSocket-based real-time communication features in **Python**, improving user interaction and responsiveness.
* Automated **AWS** infrastructure management, utilizing **EC2** auto-scaling, **IAM** roles, and Dockerized deployments to ensure secure and efficient operations.
* Configured **Kubernetes** Helm charts for managing multi-container applications, enabling repeatable and consistent deployment processes.
* Implemented advanced security protocols, including **OAuth 2** and IAM policies, to safeguard sensitive customer data across **RESTful APIs** and microservices.
* Integrated **Python** with messaging systems like **RabbitMQ** and **Kafka** for efficient inter-service communication.
* Implemented server-side logic in **Golang**, enabling optimized asynchronous data processing and real-time updates.
* Built custom **RESTful APIs** to retrieve and analyze underwriting and claims data, improving decision-making with advanced search capabilities powered by **Elasticsearch**.
* Implemented **Hibernate** ORM to optimize database performance and reduce query execution times for customer data retrieval.

**Environment:** Java 8, Java 11, Java 16, Java 17, JavaScript, Kotlin, Python, Golang, Spring, Spring Boot, Scala, Microservices, CI/CD Pipelines, Angular-15, TDD, JPA, JDBC, Hibernate, JSP, JSTL, RESTful API, WSDL, JAX RS, SOAP, JAX WS, Apache Axis, NO SQL, MongoDB, Handlebars.js, Backbone.js, Apache Kafka, Apache Tomcat, Apache Spark, Kibana, Kubernetes, OpenShift, OpenStack, Agile with Scrum, Jasmin, Karma, JUnit, Mockito, Selenium, Git, GitLab, Maven, IntelliJ, Windows, AWS (EC2, ECS, S3, RDS, Lambda), Docker, Jenkins, MongoDB Compass, OAuth 2, Jira, Log4J, CloudWatch, SonarQube, Postman, Swagger, HTML, CSS.

**Wolters Kluwer Health, Coppell, TX. July 2021 to Oct 2022**

**Full Stack Developer**

**Responsibilities:**

* Designed and implemented **Java**-based microservices using **Spring Boot**, streamlining healthcare data processing and management workflows.
* Developed and deployed scalable **RESTful APIs** with Hibernate and **MongoDB**, ensuring efficient integration of patient data with downstream systems.
* Migrated legacy Java modules to **Kotlin**, reducing code verbosity and improving maintainability across healthcare applications.
* Automated CI/CD pipelines using **Jenkins**, enabling faster and more reliable deployments of microservices.
* Deployed containerized applications in **Kubernetes** and **OpenShift**, leveraging orchestration for seamless scaling and resource optimization.
* Implemented robust authentication and authorization mechanisms in **Golang** using JWT and OAuth 2.0.
* Optimized distributed data workflows using **Apache Spark**, improving data processing speed for large-scale analytics by 40%.
* Centralized logging and monitoring using the **ELK stack** (Elasticsearch, Logstash, Kibana), improving issue detection and resolution times.
* Built dynamic, responsive user interfaces with **Angular**, **HTML5**, and **TypeScript**, improving user experience for healthcare providers.
* Integrated **GraphQL** with Java services, enabling flexible and efficient querying for healthcare records and patient management.
* Conducted end-to-end performance tuning of Java microservices, improving response times by 30% through **JVM** optimization and query optimization with Hibernate.
* Automated backend workflows with **Golang** scripts, reducing manual effort and operational overhead.
* Implemented secure authentication mechanisms with **OAuth 2**, ensuring data protection for **RESTful** and **GraphQL APIs**.
* Built API gateways and middleware in **python** to standardize and enhance inter-service communication.
* Developed event-driven architecture using **AWS Lambda**, enabling real-time alerts for healthcare data anomalies and automating clinical workflow triggers, improving response times for critical operations.
* Utilized Spring **AOP** and **Spring Actuator** for generating metrics and monitoring healthcare application performance at method-level granularity.
* Integrated **AWS DynamoDB** for managing patient records and healthcare metadata, ensuring low-latency data access and scalability for high-volume clinical queries.
* Integrated event-driven messaging systems using **Apache Kafka** consumers and producers in **Python**, supporting asynchronous communication across services.
* Ensured robust testing of microservices using **JUnit** and **Mockito**, following **TDD** practices for high code quality and reliability.
* Designed and implemented containerized deployments using **Docker**, ensuring efficient and scalable infrastructure for healthcare services.
* Enhanced system monitoring and debugging using **AWS CloudWatch**, improving visibility into application performance and infrastructure health.
* Designed and standardized **RESTful API URLs** and parameters to improve interoperability across healthcare systems and streamline development workflows.

**Environment:** Java 8, Java 11, Java 16, Java 17, JavaScript, Spark, Scala, Core Java, Golang, Python, Spring, Spring Boot, PHP, Microservices, CI/CD Pipelines, Angular-10, TDD, JPA, JDBC, Hibernate, JSP, JSTL, RMI, Applets, AWT, RESTful API, WSDL, GraphQL, SOAP, JAX WS, Apache Axis, XSD, NoSQL, MongoDB, Apache Kafka, Apache Tomcat, Apache Spark, Kibana, Agile with Scrum, Jasmin, Karma, JUnit, Mockito, Selenium, Git, GitLab, GitHub, Maven, IntelliJ, Windows, AWS (EC2, ECS, S3, RDS, Lambda), Docker, Kubernetes, OpenShift, OpenStack, Jenkins, MongoDB Compass, OAuth 2, Slack, Jira, Log4J, CloudWatch, SonarQube, Postman, Swagger, HTML, CSS, JSON

**Albertsons, Fullerton, CA Jan 2020 to June 2021**

**Full Stack Developer**

**Responsibilities**:

* Designed and deployed **Java**-based **microservices** using **Spring Boot**, automating retail operations such as inventory synchronization and order tracking across distributed systems.
* Implemented **RESTful APIs** to enable seamless integration with third-party logistics providers, improving delivery accuracy and response times.
* Built real-time messaging systems using **Apache Kafka**, ensuring fault-tolerant communication for order notifications and inventory updates.
* Developed interactive front-end dashboards with **Angular 9/10**, providing store managers with real-time insights into sales trends and stock availability.
* Automated deployment workflows using **CI/CD pipelines** in **Jenkins**, reducing manual errors and accelerating deployment timelines.
* Optimized data analytics workflows with **Apache Spark**, processing large datasets for demand forecasting and replenishment planning.
* Containerized retail applications using **Docker** and deployed them in **AWS ECS**, enabling consistent and scalable cloud environments.
* Integrated **GraphQL** APIs to retrieve complex relationships between products, promotions, and customer preferences, improving the personalization of marketing strategies.
* Ensured system scalability during seasonal demand spikes by orchestrating microservices using **Kubernetes**, optimizing resource allocation dynamically.
* Implemented **AWS DynamoDB** to optimize retail inventory tracking and order history management, enabling real-time updates and high availability across distributed systems
* Designed secure data-sharing mechanisms with **OAuth 2**, ensuring compliance with retail data security regulations for API communications.
* Developed Spark-based workflows to process transactional data (e.g., JSON, XML) for insights into sales trends and promotional effectiveness.
* Debugged and optimized **Golang** applications, improving execution speed and reducing memory usage.
* Conducted performance testing of APIs and microservices using **JUnit** and **Mockito**, ensuring reliability in high-traffic retail environments.

**Environment:** Java 8, Java 11, JavaScript, Core java, Spring, Spring boot, Spark, Scala , GolangG Python, PHP, Microservices, CI/CD Pipelines, Angular-10, TDD, JPA, JTA, JSP, JSTL, RMI, APPLETS, Restful API, NO SQL, Dynamo DB, Apache Kafka, Apache Tomcat, Apache Spark, Agile with Scrum, Jasmin and Karma, JUnit and Mockito, selenium, GIT, GitLab and GitHub, Maven, IntelliJ, Windows, AWS, Dockers, Kubernetes, Jenkins, AWS EC2, AWS ECS, AWS S3, AWS RDS, AWS Lambda, OAuth 2, Microsoft Teams, Jira, Log4J, Cloud Watch, Sonar lint, Postman, Swagger, HTML, CSS, Hibernate, JSON.

**Citi Bank, IL. Nov 2018 to Dec 2019**

**Full Stack Developer**

**Responsibilities**:

* Architected and deployed **banking microservices** using **Spring Boot** and **RESTful APIs**, streamlining customer data management and transaction processing.
* Designed and implemented transaction tracking mechanisms using **Java 8** and **Spring Boot**, providing real-time insights for financial reconciliation.
* Designed and migrated legacy **SOAP APIs** to **RESTful APIs**, improving performance and integrating seamlessly with Angular 4/5 front-end applications.
* Built real-time messaging workflows using **Apache Kafka**, supporting asynchronous data exchange for banking alerts and notifications.
* Automated deployment pipelines with **Jenkins**, integrating them with **Kubernetes** to optimize resource utilization during peak banking operations.
* Refactored legacy banking systems using **Spring MVC** and **DAO** patterns, modernizing codebases and improving modularity.
* Utilized **Hibernate** ORM for database persistence, optimizing queries and ensuring efficient handling of high-volume financial data.
* Designed UML-based high-level and low-level architecture documents, providing clarity for system development and integration.
* Integrated **OAuth 2** for API authentication, safeguarding sensitive financial and customer data across distributed systems.
* Enhanced system reliability by implementing clustering and load balancing on **WebLogic Server** for critical banking applications.
* Transformed and processed **XML** documents using **XSLT**, XPath, and **XSL-FO**, streamlining data exchange with external systems.
* Migrated and expanded **AWS** infrastructure, utilizing **EC2**, ECS, and RDS to support cloud-based banking operations.
* Conducted comprehensive analysis of legacy systems, refactoring and modernizing codebases to align with modern banking requirements.

**Environment:** Java 8, Java 11, JavaScript, Core java, Spring, Spring boot, Microservices, CI/CD Pipelines, BDD, JDBC, JSP, JSTL, RMI, APPLETS, AWT, Restful API, SOAP, JAX WS Apache axis, XSD, NO SQL, Mongo DB, Apache Kafka, WebLogic, Agile with Scrum, Jasmin and Karma, JUnit and Mockito, Cypress, GIT, GitLab and GitHub, Maven, Eclipse, Windows, AWS, Dockers, Kubernetes, Jenkins, AWS EC2, AWS ECS, AWS S3, AWS RDS, AWS Lambda, Mongo DB compass(), OAuth, Microsoft Teams, Jira, Slf4J, Cloud Watch, Sonar lint, Insomnia, Swagger, HTML, CSS, Hibernate

**Dew Softech Inc. - New York, NY. Sep 2017 to Oct 2018**

**Full stack Developer**

**Responsibilities**:

* Analyzed business requirements and created **UML** diagrams (interaction, sequence, and class) for the Web Components Framework to ensure clear and efficient system design.
* Developed and consumed **RESTful web services** using Spring Remoting and Web Services, integrating with Ad networks and third-party reporting tools.
* Implemented **Google Big Query** to process and analyze large datasets, enabling scalable and efficient analytics for advanced reporting and insights.
* Designed and developed microservices using **Spring Boot** and Spring MVC, streamlining application workflows and enhancing modularity.
* Built reusable **React** components and services to consume RESTful APIs, ensuring maintainability and scalability of front-end applications.
* Developed cross-browser-compatible web pages using **ReactJS**, HTML5, CSS3, and Bootstrap, delivering responsive designs for a seamless user experience.
* Designed and implemented JCS object caching, optimizing application performance and reducing latency.
* Utilized Hibernate ORM to develop the DAO layer for data persistence and retrieval, ensuring efficient database interactions with **MySQL** and Oracle DB.
* Implemented Log4J for efficient logging and monitoring, enhancing application debugging and performance analysis.
* Deployed and managed applications on **Google Cloud Platform (GCP),** utilizing its scalable infrastructure for hosting and monitoring microservices.
* Performed server-side validation and form management using Reactive forms in **ReactJS** for robust client-server communication.
* Secured the JBoss application server, creating a slim, optimized version for high-performance application hosting.

**Environment**: Java 8, JavaScript, Core java, Spring, Spring boot, CI/CD Pipelines,TDD, Hibernate, JSP, RMI, AWT, Restful API, SOAP, JAX WS Apache axis, XSD, MY SQL, Oracle DB, React, ReactJS, JMS, WebLogic, Agile with Kanban, Cucumber, JUnit and Mockito, Cypress, GIT, GitLab and GitHub, Maven, Eclipse, LINUX, GCP, Dockers, Jenkins, MYSQL workbench, Microsoft Teams, ASANA, Slf4J, Postman, Big Query, HTML, CSS.

**Spectrum - Los Angeles, CA. June 2015 to Aug 2017**

**Java Developer**

**Responsibilities**:

* Developed and deployed Java-based applications using **Spring Boot**, ensuring scalable and modular system architecture for enterprise-grade services.
* Implemented monitoring and alerting mechanisms using custom logging frameworks and integrated real-time metrics for proactive issue resolution.
* Orchestrated containerized applications with Kubernetes on **Azure**, automating deployment processes and improving resource allocation.
* Implemented Behavior-Driven Development (BDD) using **Cucumber**, enhancing test coverage and collaboration between development and QA teams.
* Utilized JDBC for efficient database operations with MySQL and **DB2**, ensuring reliable data access and optimized query performance.
* Enhanced application security by integrating **SSL/TLS** protocols, safeguarding sensitive data and ensuring secure communication.
* Automated dependency management and build processes using **Gradle**, ensuring efficient and consistent application development workflows.
* Configured and optimized **IBM WebSphere Application Server** to ensure efficient deployment and runtime performance for enterprise-level applications.

**Environment**: Java 8, JavaScript, Core java, Spring, Spring boot, BDD, JDBC, JSTL, APPLETS, AWT, Restful API, MY SQL, DB2, JMS, IBM Web Sphere, Waterfall, Cucumber, JUnit and Mockito, Cypress, CVN, Gradle, STS, UNIX, Azure, Kubernetes, Jenkins, MYSQL workbench, SSL/TLS, Microsoft Teams, ASANA, HTML, CSS, Hibernate

**Nationwide, Columbus, OH. Apr 2013 to May 2015**

**Java Developer**

**Responsibilities:**

* Developed and maintained enterprise-level Java applications using **Java 8** and Core Java, ensuring robust performance and scalability.
* Administered and optimized **Linux-based environments** for application deployment and maintenance, ensuring high availability and system stability.
* Integrated **RabbitMQ** for efficient message queuing and asynchronous communication, improving system reliability.
* Automated front-end and back-end testing processes using **Selenium**, ensuring consistent application functionality across environments.
* Deployed and administered Java EE applications on **Oracle WebLogic Server**, ensuring high availability and performance for mission-critical systems.
* Automated build and deployment processes using **Gradle** and **Jenkins**, streamlining development workflows.
* Secured application communication using **SSL/TLS** protocols, safeguarding sensitive data in distributed systems.
* Leveraged **Azure cloud services** for scalable and reliable application hosting, ensuring seamless operations across environments.

**Environment**: Java, JSP, Servlets, HTML, DHTML, Solaris, JavaScript, Eclipse IDE, Web Logic, Oracle8i, PL SQL, CVS. Java 8, JavaScript, Core java C Language, Servlets, BDD, Hibernate, RMI, Restful API, MY SQL, DB2, RabbitMQ, Waterfall, Cucumber, selenium, CVS, Gradle, visual studio, LINUX, Azure, Jenkins, MYSQL workbench, SSL/TLS, Microsoft Teams, ASANA, HTML, CSS

**Education**

* Completed master’s in computer science from UNT, Denton, TX.