**Nikhil K
Sr. Lead Java Developer
Email:** **Nikhilk1131@gmail.com**

 **PROFESSIONAL SUMMARY:**

* Over **12 years** of extensive experience in Design, Development, Testing, Integration, Deployment, Maintenance and Support of various applications in **Java/J2EE** technologies.
* Full Software Development Life cycle (**SDLC**) experience in Analysis, Design, Development, Implementation, Testing, and Maintenance.
* Experience in working with **REST, SOAP**, **spring, Hibernate** and **Web Services**.
* Expertise in designing and developing enterprise and web applications from design blueprint using java and **J2EE** technologies like **Core Java, JSP, Java Script, JDBC, Web Services, Spring**, **Hibernate, REST, XML, SQL, HQL, XSL, HTML, CSS** and **LOG4j**.
* Experience in building web applications using Spring Framework features like **MVC** (Model View Controller), **AOP** (Aspect Oriented Programming), **Spring Batch, Spring Security, IOC** (Inversion Of Control), **DAO** (Data Access Object) and template classes.
* Expertise in Object - relational mapping using **Hibernate/JPA**.
* Proficiency with **J2EE** Design Patterns like **MVC** Architecture, Front Controller, Data Access Object for building **J2EE** Applications.
* Experience in Data migration from **DB2** to **Apache Cassandra DB** and involved in major and minor up gradation of **Couch** base and **Cassandra** cluster.
* Experiences in using build/deploy tools such as **Jenkins**, **Docker** and **OpenShift** for Continuous Integration & Deployment for **Microservices**.
* Experience with **CI/CD** pipelines to integrate the Java code to align with DevOps practices using **Docker**.
* Fine-tuned Apache **Spark** configurations and optimizations to enhance job performance and reduce processing times.
* Experience with **Apache Kafka** and Zookeeper apart from **JMS** as messaging service.
* **TDD** Test driven development approach using **Junit, Mockito** framework.
* Continuous integration and Continuous delivery using Jenkins.
* Expertise in implementing **Web Services** based on Service Oriented Architecture (**SOA**) using **SOAP**, **Restful Web Services**. Develop, enhance and maintain a **Spring Boot** based **micro** **services** application.
* Implemented **Spark** transformations and actions to perform data transformations, filtering, and aggregations.
* Expert in **Core Java, Java EE** platform with **Servlets**, **JSP, JDBC**, **Hibernate** **3** and **Spring MVC**.
* Extensive experience in development and implementation of **ORM** framework **Hibernate**/ **Hibernate** with **Spring Data Access**.
* Proficient in working with Databases like **Oracle 11g/10g, MS SQL server, MySQL**, **Mongo, Cassandra** and in writing complex **SQL queries**.
* Strong knowledge on working with **GraphQL** schema, queries and mutations to interact with **Mongo DB** and several other data layers.
* Experience in using **JSP** and Servlets to create web interfaces and integrating apache tools like **Kafka**.
* Experience in Integration of Amazon Web Services **AWS** with other applications infrastructure.
* Monitored **Spark** job performance and identified areas for optimization.
* Experience with **Mongo DB** development (reports, schema design, map reduce functions) and migration from SQL relational database to **NOSQL** databases like Mongo DB, Apache **Cassandra**.
* Back-end Java developer for Data Management Platform (**DMP**). Building Restful APIs in front of different types of **NOSQL** storage engines allowing other groups to quickly access fast data.
* Independently integrate multiple **APIs** and new features using **React + GraphQL** stack.
* Experience working on **Web Logic, JBoss** and web development on **Apache Tomcat** web server.
* Strong experience with various application developments **IDEs** **Eclipse**, **Maven** and Net Beans.
* Strong understanding of common API technologies, such as **OAUTH, SAML, Spring** **Boot** and **Micro services**.
* Experienced in working on Amazon Web Services like **EC2** instances, **EMR** clusters, **Lambda** **Functions, AWS Glue, Cloud Formation** Templates.
* Experience in installing, configuring, tuning **Oracle Web Logic Server**, **Apache Tomcat, JBoss**.
* Experience working with versioning tools like **CVS** and **VSS**.
* A strong goal-oriented team player and self-starter with a high degree of technical adaptability and good communication skills.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming & Web** | Java, SQL, C#, C++, HTML, XSLT, CSS, XML, XSD, JAXB, JavaScript, JQuery, JSP, Angular.js |
| **Databases** | Postgres, MySQL, Oracle 11g, IBM DB2, Cassandra, MongoDB, Hazelcast, Redis. |
| **Tools:** | Eclipse, IntelliJ, Git, SVN, Rational, Jira. |
| **Cloud:** | Amazon Web Services(AWS), Microsoft Azure |
| **Web containers** | Tomcat, WebSphere Application Server, JBOSS EAP 6.1 and 6.2, 7.2 , Docker, Kubernetes |
| **Build and Automation** | Maven, Ant, Gradle, Jenkins. |

**CERTIFICATIONS:**

* IBM Certified Database Associate (IBM DB2)
* ADOBE FLEX Completion Certificate,
* MONGO DB for Java developer’s completion certificate from MONGO DB University
* PEGA Certified System Architect 7.2
* AWS Certified Developer- Associate.

**PROFESSIONAL EXPERIENCE:**

**Social Finance (SoFi), Atlanta GA May 2022 – Till Date
Lead Java Developer
Description:** Social finance is a category of financial services which aims to leverage private capital to address challenges in areas of social and environmental need. Having gained popularity in the aftermath of the 2008 Global Financial Crisis, it is notable for its public benefit focus.

**Project1: Member Benefits (Current Project)**

**Responsibilities:**

* Spearheaded the development of member benefit enhancement applications in a collaborative, cross-functional team environment, working closely with Banking, Investment, Credit Card, and Lending business units.
* Designed a modular, **microservices-based architecture** to improve scalability and maintainability, leveraging technologies such as **Spring Boot and Apache Kafka** for seamless communication between services.
* Played a mentoring role, providing guidance and best practices to junior and senior developers, fostering a culture of continuous learning and problem-solving.
* Developed **Restful APIs and GraphQL APIs** using **Spring Boot** and integrated them with **React** for web applications and **Flutter** for mobile platforms, ensuring a consistent and user-friendly experience across devices.
* Involved in writing **Java API** for Amazon Lambda to manage some of the **AWS** services.
* Integrated the applications with various internal systems and databases to facilitate efficient data retrieval and storage, ensuring high performance and low latency.
* Leveraged Apache **Spark** to process and analyze large-scale datasets from different business units efficiently, enabling faster insights and decision-making
* Implemented multi-factor authentication to bolster the security of member accounts, adhering to industry best practices.
* Developed the application using **Hibernate** and **Spring Framework**.
* Implemented **CI/CD** pipelines using **Jenkins** and build and deploy the applications.
* Implemented an express-**GraphQL** library to mount a **GraphQL** **API** server on the user-configured **HTTP** endpoint.
* Used **Spring MVC** to implement **MVC** Design Pattern.
* Implemented **REST Microservices** using **spring boot**. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
* Leveraged **Docker** for server configuration and managed deployment using **Kubernetes** and **ArgoCD** rollouts, ensuring seamless updates and scalability.
* Utilized **Cassandra, NOSQL** database management system for keeping user generated data.
* Utilized working knowledge of **J2EE/Java** and **Spring**, and **Hibernate** to troubleshoot technical issues (error messages, bugs with the software, availability)
* Kept standard of the latest trends and technologies in member benefits, constantly improving the applications to meet evolving member needs.
* Developed **API** for using **AWS** **Lambda** to manage the servers and run the code in the DB.
* Extensively utilized containers like **Docker** to build a **microservice** based architecture using **Spring Boot**.
* Use **Spring MVC** framework on implementing Controllers.
* Used **Cassandra** for achieving de-normalization through features like collections.
* Implemented **spring boot microservices** to process the messages into the **Kafka** cluster setup.
* Involved in developing functions for Amazon Lambda to manage some of the **AWS** services.
* Design and develop application codes using **Java/JEE, XML, SOAP, REST, Spring Framework**, and **Hibernate** Framework.
* Conducted rigorous testing and debugging of the applications to ensure optimal performance, meeting both functional and non-functional requirements, and delivering a reliable member experience.

**Project2: Crypto Wallets**

**Responsibilities:**

* Developed secure and scalable crypto wallet applications for ETH, BTC, and Smart Contracts.
* Collaborated with a cross-functional team to develop and deliver high-quality crypto wallet applications.
* Designed and implemented **Restful APIs** using **Spring Boot** and **JDBI** to facilitate secure and efficient communication between the wallet and other systems.
* Integrated the applications with block chain technology to ensure seamless transactions.
* Implemented efficient database access layer using **JDBI** and **Postgres** to ensure high performance and low latency for data retrieval and storage.
* Developed robust error handling mechanisms for the APIs to ensure smooth operation and minimize downtime.
* Consumed **REST** based **microservices** with Rest template based on **Restful APIs**.
* Collaborated with front-end developers to create seamless user experiences by integrating the APIs with the user interfaces.
* Implemented multi-factor authentication for enhanced security of the crypto wallets.
* Configured and maintained servers using **Docker** and managed deployment through **Kubernetes** and **ArgoCd** rollouts.
* Created **AWS** **Security** Groups for deploying and configuring AWS EC2 instances.
* Used **Spring Kafka API** calls to process the messages on **Kafka** Cluster setup.
* Stayed up-to-date with the latest crypto wallet trends and technologies to constantly improve the applications.
* Writing Java Code for fetching the data from **Cassandra** and Handling Terabytes of data and scheduling jobs on maintenance.
* Worked on **Spring MVC** Architecture for web applications.
* Build and maintain code repositories and code migrations using **CI/CD** strategies (**GIT, SVN**, **CSV**, and **Jenkins**).
* Integrated **Apache Kafka** for streaming teh real time data from **Cassandra DB.**
* Design and develop application codes using **Java/JEE, XML, SOAP, REST, Spring Framework**, and **Hibernate Framework**.
* Developed, unit tested and deployed few **micro services**.
* Conducted extensive testing and debugging of the **APIs** to ensure that they perform optimally and meet the required functional and non-functional requirements.
* Conducted thorough testing and debugging to ensure the applications perform optimally and are free of bugs.

**Environment**: Java, Spring Boot, Swagger, Spring Security, JDK11, REST API, GraphQL, React, Flutter, Postgres, JDBI, Docker, Kubernetes, Hibernate, CI/CD Pipelines, ArgoCD, Datadog, Kibana.

**InComm Payments, Alpharetta GA Jun 2017 – May 2022
Lead Java Developer
Description:** InComm Payments is a global leader in innovative payments technology. Leveraging dynamic technology and proven expertise, InComm Payments delivers enhanced end-to-end payment platforms and emerging financial technology solutions that help businesses grow across a wide range of industries including retail, healthcare, tolling & transit, incentives, mobile payments and financial services.

**Responsibilities:**

* Projects are based on integration between merchants and vendors for the sale of financial products.
* Worked on design, development, testing and deployment of multiple microservices to integrate the requirements of multiple merchants (Walmart, BestBuy, Albertsons etc.) and vendors (Amazon, Apple, Netflix, Google, eBay, Microsoft etc.).
* Support design and assist in planning team sprints and projects.
* Support and maintain projects developed by the team and assist in production outages.
* Work with leadership team to provide strategic direction to minimize the fraudulent transactions.
* Configured **Hibernate** with **Spring ORM** as part of spring and **Hibernate** Integration for best results.
* Assist, oversee and monitor 2 junior developers and 2 mid-level developers.
* Design and develop new features and enhancements on the platform.
* Test and certify release of code artifacts.
* Worked on container orchestration that reduced deployment to production servers from 4-5 hours to less than 1 hour.
* Orchestrated the seamless integration of data from various merchants and vendors using Apache **Spark.**
* Used **Apache Kafka** cluster as messaging system between the **Microservices**.
* Worked on Java based configuration using **Spring Boot** with JDK 1.8 and some projects with OpenJDK11.
* Fixing the bugs and developing new enhancements using **JAVA/J2EE, spring, Hibernate**, **Web Logic**.
* Developed **Spring, CASSANDRA,** **Elasticsearch** and **AWS S3** integration for the entire system.
* Developed **Microservices** with **Spring Boot** and EJB with **Microsoft SQL Server** as DB and **Redis** as In-Memory DB.
* Worked on storing and forwarding the transactions with **Kafka** services.
* Developed merchant facing Web applications with **Spring** and **UI** frameworks.
* Implemented **REST API, WebSocket and GraphQL** connections for end-to-end transaction processing.
* Handled requests with **Spring MVC** in controllers and sent responses back to the browser
* Involved in **CI/CD** process using **GIT, Nexus, Jenkins** job creation, Maven build Create **Docker** image and deployment in **AWS** environment
* Used **Oauth2.0**, **SAML** and **AAD** for authentication and authorization.
* Used **Maven** for the build automation.
* Analysed the **Cassandra/SQL** scripts and designed the solution to implement using Scala.
* Used **spring framework** for middle tier and **Spring-hibernate** for data access.
* Maintenance and hands of experience on **version control systems** like **SVN** and **GIT.**
* **Manage**/**Monitor** all applications on Microsoft **Azure cloud** platform.
* Used **Jenkins** for continuous integration and continuous delivery.
* Performed unit testing using **JUnit** and **Mockito**.
* Development experience with **AWS** cloud resources which includes launching, maintaining and troubleshooting **EC2** instances, **S3** buckets , Virtual Private Clouds (**VPC**), Elastic Load Balancers (**ELB**) and Relational Database Services (**RDS**).
* Configured **JBOSS EAP 7** server for deployment and deployed the code in the server.
* Used **Docker** and **Kubernetes** for containerization.
* Used **Hibernate** in persistence layer and developed **POJO's**, Data Access Object to handle database operations.
* Developed Restful back end services and API using **Spring MVC** framework
* **ArgoCD** for code sync on **Kubernetes** clusters and **Prometheus** for monitoring.
* Worked on **Cassandra** for real time transaction data analytics.
* Worked on **MongoDB** for the toll and transit applications to store the fare data and user details.
* Worked on **Microsoft SQL Server** for the application of databases during the development.

**Environment:** Java, Spring Boot, Hibernate, JDK8, OpenJDK11, React, OAuth2, SAML, AAD, Kafka, Graph QL, Web Sockets, REST API, Docker, Kubernetes, Cloud Storage, Azure, Redis, MS SQL, Hazel cast, Cassandra , Mongo DB, Jenkins, AWS, CI/CD Pipelines, Prometheus, ArgoCD.

**State of Georgia- State Board Of Workers’ Compensation, Atlanta GA Apr 2017 – Jun 2017
Sr. Java Developer**

**Project1: ICMS (Integrated Claims Management System)**

**Responsibilities:**

* Worked on Java based configuration using **Spring Boot** with JDK 1.8.
* Developed **Micro services** with Spring Boot.
* Worked on **Spring Web Flow** and **Spring MVC** for the action mapping calls from the views.
* Implemented **JSF** as the view layer, SPRING components for the business layer and **Oracle** as the database.
* Involved in the integration of Spring web flow and JSF
* Used **Spring Security** for the authentication and authorization of the roles for the user login.
* Implemented **Spring Data JPA** with **Hibernate** as implementation.
* Implemented **Apache CXF** services for **SOAP** services and **REST** services.
* Used **Amazon Web Services** for code automation and code deployment on the Amazon EC2 instances.
* Integrated with **Spring, Spring Security, Spring MVC**, **Hibernate** framework
* Maintenance and hands of experience on **version control systems** like CVS **(Concurrent Version Systems)** and **GIT.**
* Developed **CI/CD** solutions for running an **Angular JS** application from a Tomcat container using **Jenkins** and Sonatype Nexus.
* Used **Jenkins** for continuous integration and continuous delivery.
* Performed unit testing using **JUnit** and **Mockito**.
* Configured **JBOSS EAP 6.2** server for deployment and deployed the code in the server.
* Design and implementation of **UI** using **JSF, Primefaces 3.x, XHTML, Bootstrap**, Bootstrap Validations, **JavaScript** and **JQuery**.

**Environment**: Spring MVC, Java Server Faces, Spring Data JPA, Hibernate, REST API, JBOSS EAP. JavaScript.

**United States Department of Agriculture, St. Louis MO Nov 2014 – Feb 2017**

**Sr. Java Developer**

**Project1: BCAS-DCS (Broadband Collection and Analysis System – Data Collection System)**

**Responsibilities:**

* Worked on Java based configuration using **Spring Boot** with JDK 1.8.
* Developed **Microservices** with Spring Boot.
* Worked on **Spring Web Flow** and **Spring MVC** for the action mapping calls from the views.
* Worked on **Freemarker** Java template engine.as the view layer, SPRING components for the business layer and **Oracle** as the database.
* Involved in the integration of **Spring Web Flow** and **Freemarker**.and **Primefaces** for different modules.
* Implemented **Spring Data JPA** with **Hibernate** as implementation.
* Implemented web services with **Restful API** and **JAX-RS** .
* Used **Swagger** for **REST** web services documentation.
* Used **Amazon Web Services** for code automation and code deployment on the Amazon EC2 instances.
* Maintenance and hands of experience on **version control systems** like CVS **(Concurrent Version Systems)** and **GIT.**
* Used **Jenkins** for continuous integration.
* Performed unit testing using **JUnit** and **Mockito**.
* Configured **JBOSS EAP 6.1 and 6.2** server for deployment and deployed the code in the server.
* Worked with Jenkins under the **CI/CD** pipeline providing continuous improvement to agile software development teams.
* Design and implementation of **UI** using **Freemarker, Primefaces**, **Bootstrap**, Bootstrap Validations, **JavaScript** and **JQuery**.

**Project2: NRCS (Natural Resources Conservation Service)**

**Responsibilities:**

* Implemented services to calculate rain snow ratio, reservoir data, soil temperature, water equivalent and snow water density.
* Implemented EJBs for the Java services.
* Implemented database services to retrieve the data from the databases using **Hibernate** object relational mapping and **JPA**.
* Maintenance and hands of experience on **version control systems** like CVS **(Concurrent Version Systems)** and **GIT**
* Used **Jenkins** for continuous integration.
* Design and implementation of **UI** using **Angular Js, Bootstrap** and Bootstrap Validations.
* Used **Ant** for build automation.
* Performed unit testing using **JUnit.**

**Environment:** Java, Spring Boot, Free marker, JSF, EAuth, Spring Data JPA, Hibernate, REST API, JBOSS EAP. JavaScript, Jquery, Jenkins.

**AT&T, Alpharetta GA Jan 2014- Nov 2014
Java Grid Developer**

**Responsibilities:**

* Involved in requirements phase like, what are technologies to be used and the time frame required to complete the project.
* Worked on **Apache ActiveMQ** for messaging and asynchronous communication by adding the messages in the Message queue.
* Used **Maven** for build automation and reporting.
* Implemented **SOAP Web Service** and **XML** for the data and information exchange.
* Implemented **JAXB** to generate **XSDs** and **XSLT** to transform XML data.
* Worked on **Cassandra** and implemented scripts to store the retrieved data into database.
* **Oracle Golden Gate** for data integration with the JMS data layers.
* Deployed the application in **Tomcat** server.
* **Apache Zookeeper** for maintaining configuration naming and providing distributed synchronization among the services.
* **OSGi** framework for the application life cycle management.

**Environment:** Java, Apache Active MQ, Oracle Golden Gate, JMS, Tomcat.

**United States Patent and Trademark Office, Alexandria VA Sep 2012- Nov 2013
Java/J2EE Developer**

**Responsibilities:**

* Involved in analysis of the new requirements which are to be included in the web application.
* Migrated the application from Struts-Ibatis to **Spring-MyBatis**.
* Initially deployed the application in **WAS** 7.0 server
* Designed and developed views, controller and model components implementing Spring Framework.
* Developed User Interface with **HTML, HTML Forms**, **JSP, JavaScript** and **CSS**.
* Changed the Strut tag library to **Spring core** tag library and **JSTL** core tags.
* Used **JMS** **API** for messaging and asynchronous communication by putting the messages in the Message queue.
* Performed Unit Testing Using **JUnit**.
* Changed the deployment of web application from **WAS** **server** to **JBOSS EAP 6.1 server**.

**Environment**: Java, Struts, Spring, JBOSS EAP, JSP, JavaScript, JQuery.

**Graduate Assistant, University Of Missouri, Kansas City Sep 2011- Nov 2012**

* Implemented Perform a variety of administrative and technical tasks including technical services, and information that support others, data entry and analysis, web site development, collating marketing materials and presentations.

**ACADEMIC PROJECTS**

1) Developed a "WEB CONFERENCE" browser extension using

Core Java, Java Applets, JDK 1.5, My SQL. **July2010 - Apr 2011**

2) Gorupdealz, University Of Missouri, Kansas City **Aug 2011 - Dec 2011**

* Developed an innovative E-commerce concept.
* Implemented a website using Java, HTML and JSP as front-end and PostgreSQL for data storage..
* Created the database for all the products, registered user information.

3) Developed a "SAVE GREEN EARTH MULTIPLEX" using Virtual Computing technology. **Aug 2012 – Dec 2012**

**Project Video link** : <https://www.youtube.com/watch?v=DiDvQZx_DU4>

4) HL7 Synthetic CDA Document Generator, University of Missouri, Kansas City **Jan 2013 – May**

**2013**

Generally, every hospital generates a clinical document like discharge summaries and progress notes for every patient. The maintenance of the clinical documents is a tough task for the doctors to manage. There are also chances that the documents can be lost, so in order to manage some issues the doctors had been using the Health Level 7 (HL7) standards since few years.

* Involved in development of Health Level 7 CDA Synthetic Data Generator
* Used XML structures and semantics for document generation, Java for coding and used files to store the data.
* Used Java 1.7, XML, JSP, CSS, HTML, GitHub, Tomcat, PostgreSQL
* Used clinical coding systems LOINC , SNOMED\_CT and RX-NORM.

**Project presentation link**: https://www.slideshare.net/Nikhilkassetty/hl7-synthetic-cda-generator-final-presentation

**EDUCATION:**

* Bachelor’s Degree in Computer Science from JNTU April 2011
* Master’s in Computer Science from University Of Missouri, Kansas City, MO Aug 2013