Nikhil Rayala

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SUMMARY

Experienced Software Development Engineer with a specialization in the banking and financial services domain. Holds expertise in design, coding, testing, and debugging across multiple programming languages and databases. Proven ability to deliver scalable and high-quality solutions using agile methodologies. Passionate about driving technical innovation and precision to foster organizational success in the fintech sector.

EDUCATION

Western Illinois University, Macomb, IL
Masters in Data Science   (CGPA 3.70/4.00) Jan 2022– Jul2023
Relevant Coursework: Operating Systems, Database Organization, Advanced Operating System, Big Data Technologies, Advanced Database Organization.

SKILLS

Programming Languages:	Java, JavaScript, Typescript, Node.
Frameworks & Libraries:	Spring, Spring MVC, Spring Boot, Apache Kafka, AngularJS, Angular & React.
Web Technologies:	Restful Web Services, jQuery, CSS, CSS-3, JSON, HTML-5, XML.
Databases:	Oracle, Redis, MySQL, PostgreSQL, MongoDB.
Tools:	Maven, Spring Tool Suite, Postman, Jira Eclipse, IntelliJ, Docker, Jira
Cloud Infrastructure:	AWS, EC2, S3, RDS, Lambda, CloudWatch, IAM, Kubernetes.
Servers & Methodologies:	Jetty Server, JBoss, Tomcat.	Agile, Test-Driven Development.
Version Control & Testing:	GitHub (Git), Bitbucket, JUnit, Mockito.
Operating Systems:	Linux/Unix.

PROFESSIONAL EXPERIENCE

Senior Full Stack Java Developer
Client: Citi Bank   Aug 2022-Dec 2023

- Implemented a data pipeline in Spring Boot and Hibernate to extract, clean, apply business rules, check data integrity, create aggregates, and publish data to the data warehouse.
- Develops, tests, and deploys application code on **AWS** Services like EC2, Lambda . Implements infrastructure as cloud using Cloud Information. Instruments code for monitoring and logging
- Automates and manages deployment pipelines . Configures **AWS Services** in production Using Infrastructure as code
- Develops reusable UI Components using **TypeScript** . Implements complex front-end application logic and uses **typescript** for static Typing
- Managed data in Java applications of Payments Messages like **ISO8583** and **ISO20022** using multithreading, synchronization, and Exception Handling.
- Develops and implements the User interface Components Using Frameworks by **JavaScript** to create responsive web pages
- Enhanced functionality and performance of microservices using **Spring modules** and **cloud** deployment, with **25% REST(API') endpoint performance improvement**.
- **Reduced workload by 20%** by implementing log4j to develop Splunk reports and dashboards for **financial payment system**.
  Used Apache Kafka confluent distribution both as a traditional messaging message and stream platform.
- Maintained Kafka Cluster by created Topics. Partitions for point-to-point messaging.
- Managed configuration of Kafka Cluster, Brokers, Topics, used Kafka Consumer, Producer
  Used Apache Kafka confluent distribution both as a traditional messaging message and stream platform
- Successfully migrated an existing Oracle database to MySQL, resulting in a reduction of licensing costs and total cost of ownership by **$150k.**
- Developed Single Page Application (SPA) using HTML 5, CSS, Bootstrap and Angular 6. • Implemented client-side Interface using Angular.JS 8 and worked using Angular.JS components, Forms, Events, Keys, Router, Animations

Full Stack Java Developer
Client: Accenture   Aug 2019-Nov 2021

- Worked with **Agile methodology** and actively participated in Scrum meetings as a part of **SDLC**, to produce quality deliverables within time.
- Implemented key functionalities for **customer account summary** using Angular 4 Http services, Ajax calls, **RESTful web services** and Prime NG-Tables.
- Develop Node.JS and integration with databases and other backend systems to implement authentication and authorization.
- Enhanced web application architecture and functionality using DAO and Front Controller design patterns, improving maintainability, scalability, and efficiency.
- Involved in the implementation of the presentation layer GUI for the application Using JSF, HTML, XHTML, CSS and JavaScript
- Implemented the project using the Spring Framework used Spring IOC and Dependency Injection, Spring MVC.
- Working with the team to analyze the business requirement and scenarios and driving suitable solutions in an agile development environment
- Used Eclipse IDE as development environment to design, develop and deploy spring components on Web Logic
- **Optimized messaging system performance** and reliability by implementing MDBs to effectively process **java message queue messages**.

PROJECTS

Western Illinois University, Macomb, IL
AWS Cloud Computing
- Built and deployed elastic scaling applications on a cloud platform and designed applications using a cloud-native architecture.
- Demonstrated the creation of a managed shell script for the deployment of cloud resources and the termination of cloud resources in an automated fashion.

Automated Gate Pass System
    Implemented the parallel version of the BSCF algorithm using JAVA.

Developed a website enabling students to request gate passes for unscheduled departures from college premises.

- Integrated an approval system, allowing administrative personnel to review and approve student requests.
- Incorporated features such as:
- OTP verification during registration.
- Email notifications to stakeholders upon request submission and approval.
- History review functionality for students to access their past requests.

TIC TAC TOE Application
- Developed a full-stack Tic Tac Toe application with an intuitive UI using HTML and CSS for the front-end.
- Utilized object-oriented programming and vanilla JavaScript algorithms to handle game logic, ensuring efficient performance and smooth gameplay.
- Prioritized cross-browser compatibility and front-end optimization for a consistent user experience.
- Incorporated user feedback, continuously refining the UI and enhancing overall user engagement.