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**Professional Summary**

Full Stack Developer with around 8 years of experience in developing robust, scalable web applications. Proficient in front-end technologies, primarily React.js, and back-end services using Java and Spring Boot. I focus on creating high-quality and efficient applications by using the latest development practices and tools. I have strong problem-solving abilities and can work well both independently and as part of a team.

* Proficient in creating responsive front-end applications using **React.js** functional components, props, JSX, React Router for creating Single Page Web Application.
* Expertise in **Microservices Architecture**.
* Experience in Relational databases like **MySQL, SQL** server and NoSQL database like **MongoDB.**
* Strong background in Spring Framework, including **Spring MVC, Spring Boot, Spring Security**, **Spring Data JPA,** and **Spring JDBC**
* Experienced in developing RESTful APIs for data exchange between client and server.
* Implemented **CRUD** operations on MySQL and NoSQL databases with **Spring Data JPA** and **Hibernate ORM**
* Skilled in developing single-page applications using **Angular, HTML5, CSS3, and JavaScript**, through Angular services and dependency injection.
* Hands-on experience with **Java 8 features** such as Lambda Expressions, Streams API, Method References, Repeating Annotations, and Method Reflections.
* Experience deploying microservices on Kubernetes clusters using **Docker** containers.
* Skilled in integrating and securing APIs using **OAuth 2.0 and JWT** for authentication and authorization.
* **Expertise in integrating messaging queues** **Kafka and RabbitMQ** for reliable asynchronous communication between microservices
* Strong foundation in Core Java concepts including OOPS, Data Structures & Algorithms, Generics, Collections, Concurrency, Multithreading and Exception Handling.
* Experience with AWS services **like EC2, S3, RDS, Elastic Load Balancing, SQS, IAM, CloudWatch, EBS**, and **CloudFront**.
* Strong commitment to code quality through, **Test-Driven Development** practices with **JUnit and Mockito,** and logging with **Log4j.**
* Adept in API development and testing using **POSTMAN and SWAGGER.**
* Proficient in implementing continuous integration and delivery pipelines using tools like **Jenkins** and **GitLab CLI** to automate build, test, and deployment processes.
* Active contributor to open-source projects and continuous learning in software development.

**Technical Skills**

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| **Programming Languages** | C, Java, Java 8+, J2EE, SQL |
| **Frameworks/Libraries** | SpringBoot, Hibernate, Spring MVC, Spring Security, Spring Data JPA |
| **Web Technologies**  **Database** | HTML5, CSS 3, JavaScript, TypeScript, Angular, ReactJs, JQuery, JSON, XML  MySQL PostgreSQL, and MongoDB |
| **Operating Systems** | Windows, MacOS, Linux |
| **Web servers**  **IDE** | Apache Tomcat, JBOSS  IntelliJ, Virtual Studio Code, Eclipse IDE, and Jupyter Notebook |
| **Testing/Logging** | Junit, Mockito, Log4j |
| **Cloud Computing** | Amazon Web Services (EC2, S3, RDS, Lambda, ECR, DynamoDB), Docker, Kubernetes |
| **Version Control** | Git/ GitHub/ GitLab |
| **API Testing/Documentation**  **SDLC Models**  **Other Tools/Technologies** | Postman, Swagger  Agile methodology, Waterfall  Object-Oriented Programming, Design patterns, Redis for caching, Kafka-RabbitMQ for Messaging queues, Code Pipeline with CI/CD, Jenkins |

**Work Experience**

**FULL STACK JAVA DEVELOPER New York, USA**

**Client: New York Community Bank Aug 2022 – Present**

**Project Description:** I developed a full stack banking application for New York Community Bank, featuring React frontend for account management and Java Spring Boot backend for transaction handling and data management. The application component includes various savings account options like accessing savings promotions and integrates secure login functionality for seamless user experience. User can also view their predicted savings by using savings calculators feature.

**Responsibilities:**

* **Followed Agile methodology** with bi-weekly sprints, focusing mainly on iterative development and having code reviews.
* Developed and maintained responsive frontend application using **React.js** **components**, **props, JSX**, and **lifecycle methods** to create dynamic user interface for the savings account services including opening an account, logging into existing account and accessing promotional offers.
* Implemented responsive and accessible UI components with **React Router** for seamless navigation and user experience across different pages and routes.
* Utilized **Axios** in React to perform HTTP requests for fetching data from backend services, handling responses and errors effectively.
* Integrated and consumed RESTful APIs within React application, ensuring efficient data retrieval and synchronization with backend microservices
* Built the backend using **Spring Boot MVC** architecture, employing controller mappings, service layers, and repository patterns to facilitate data retrieval, manipulation, and persistence.
* **Implemented CRUD operations** on **MySQL** databases using **Spring Data JPA**, ensuring efficient data persistence and retrieval through optimized repository interfaces and **Hibernate ORM** mapping.
* Implemented security features in microservices using **Spring Security**, including JWT authentication and authorization mechanisms to ensure secure data access and user authentication.
* Configured and deployed microservices on Kubernetes clusters, utilizing **Docker** containers for packaging microservices.
* Designed and implemented event-driven architectures using **Apache Kafka**, facilitating real-time data processing and communication between microservices.
* **Configured API Gateway** to manage and secure API endpoints.
* Developed unit tests for Spring Boot services and controllers using **JUnit and Mockito**, verifying the correctness of business logic and handling of HTTP requests.
* Managed continuous integration and deployment pipelines CI/CD using **Jenkins**, automating build, test, and deployment processes for dockerized applications deployed on AWS.
* **Utilized AWS services** including **EC2, S3, RDS, ECR, and IAM** for infrastructure provisioning, database management, container registry, and access control.
* Ensured high availability and fault tolerance of application on AWS by utilizing ELB, auto-scaling groups, and implemented monitoring and alerts using AWS CloudWatch.
* Collaborated with cross-functional teams including UI/UX designers, QA engineers, and DevOps specialists to deliver scalable solutions aligned with business requirements.

**Environment:** ReactJs, Components, props, JSX, lifecycle methods, Redux, React Router, Java, Java 11 Features, Microservices architecture, SpringBoot with MVC, Spring Data JPA, Hibernate ORM, MySQL, Spring Security, JWT token authentication, Docker, Kubernetes, Apache Kafka, API gateway, Junit and Mockito, Jenkins CI/CD, AWS

**JAVA DEVELOPER Illinois, USA**

**Client: EPost Global Jan 2021 - Jul 2022**

**Project Description:** I worked for logistic sector at Epost Global for a project focused on package tracking and customer authentication. Implemented microservices architecture using Java, Spring Boot, and Angular for responsive UI components. Managed MySQL and MongoDB for user profiles and shipment details, and RESTful APIs for package tracking.

**Responsibilities:**

* Developed backend development, by using **JavaEE, Spring Framework, Spring Boot, and Hibernate.**
* Implemented J2EE, **Spring MVC** along with **Spring Security for microservices** architecture to streamline request handling, data processing, and secure authentication, reducing overall code complexity and maintenance efforts.
* Utilized **Spring Data JPA, JDBC, Hibernate ORM** to simplify and standardize database access code, which decreased the time required for developing and deploying database related queries using **CRUD.**
* Designed and implemented scalable architecture patterns such as microservices and event-driven architecture by using RabbitMQ.
* Implemented **Angular services and dependency injection** to manage state and enhance code modularity and maintainability.
* Developed Angular components using **reactive forms** and RxJS for handling asynchronous data streams and user inputs.
* Integrated **JWT** in Angular applications for secure API communication and user authentication.
* Designed RESTful APIs to enhance connectivity between **Angular** frontend and backend systems, resulting in a decrease in response time, improving user interaction and system functionality.
* Adopted SWAGGER for thorough API endpoint testing and payload validation, optimizing data integrity.
* Operated **MySQL** server methods and **MongoDB** integration.
* Enhanced application performance by integrating **Java 8 features** like Collections, Lambda Expressions, Functional Interfaces and Stream API.
* Integrated **Spring Security along with OAuth 2.0** to manage user registration and login, enhancing security.
* Deployed and managed application infrastructure using **AWS services EC2 and S3 along with RDS**, achieving faster deployment times and enhanced file access through precise AWS SDK integration.
* Participated in Agile sprint planning sessions for **GIT** integration and assessed automated deployment scripts using Jenkins, enhancing teamwork to drive successful project execution and client deliverables.
* Automated the CICD pipeline with Jenkins and ensured reliable data communication through REST and SOAP Web Services.

**Environment:** Angular- components, modules, routing, Angular services and Dependency Injection, Java8 Features, Microservices, SpringBoot, Spring MVC, Spring Data JPA, Hibernate ORM, Spring Security, CRUD, MySQL, MongoDB, Docker, API gateway, AWS, Junit and Mockito, GIT

**SOFTWARE DEVELOPER Virginia, USA**

**Client: Sentara Health Dec 2018 - Dec 2020**

**Project Description:** My project at Sentara Health involves developing a platform to schedule appointments

with Sentara Medical Group. Developed a user-friendly interface that streamlines the appointment booking process, enhancing patient convenience and healthcare efficiency. I used Angular for frontend and Java Springboot for backend microservices.

**Responsibilities:**

* Worked with **Angular 6** for creating engaging user interface by integrating features like forms, modules, DOM manipulation, and HTTP requests, efficient routing for SPA development, and Angular CLI.
* Implemented lazy loading and **AOT compilation** for performance optimization, **two-way data binding** and dependency injection for modularity, and third-party libraries like **RxJS and NgRx**.
* Implemented design patterns such as **MVC and Singleton** to ensure scalable and maintainable codebase.
* Orchestrated Agile planning for each iteration, enhancing team performance and employed continuous integration tools to verify build integrity, ensuring seamless deployment across different environments.
* Facilitated SDLC phases like **requirement gathering, Design, Analysis and Code development.**
* Incorporated **Multithreading** to process data in chunks to improve performance, designed the application using Spring Framework Model View Controller architecture
* Provided authentication and authorization by using **Spring Security.**
* Applied Java 8 features such as streams and lambda expressions, ensuring efficient data processing and code readability, Java 8 default and static methods to implement interface compatibility and concurrency.
* Executed **SQL** scripts and queries to retrieve and validate data by relational databases, ensuring data integrity, which contributed to a reduction in data errors.
* Developed **JUnit test cases with Mockito** for unit testing and initiated Log4j for logging application flow, ensuring code quality and reliability.
* Optimized the **CI/CD pipeline** by leveraging GIT Version Control and GitLab CLI.
* Collaborated in Agile ceremonies such as daily stand-ups, sprint planning, sprint reviews, and retrospectives, contributing to a cohesive and adaptive team environment that enhanced project delivery.

**Environment:** Angular6, forms, modules, SPA, AOT compilation, two-way data binding, RxJS, Java8 Features, Microservices, SpringBoot, Spring MVC, SDLC, Spring Security, SQL, API gateway, Junit and Mockito, GIT, CI/CD

**SOFTWARE DEVELOPER Hyderabad, India**

**Client: Value Labs Jun 2017 - Nov 2018\**

**Project Description:** At Value Labs, I developed Java backend services using Spring framework and Hibernate ORM, optimized database schemas for MySQL and PostgreSQL, and ensured data integrity through migration scripts. I also implemented RESTful APIs with Swagger.

**Responsibilities:**

* Implemented backend development, using **JavaEE, Spring Framework, Spring Boot, and Hibernate.**
* Developed backend services using **Java, Spring framework, and Hibernate ORM** to support business logic and data processing for enterprise applications.
* Designed and optimized database schemas for **MySQL and PostgreSQL** databases, ensuring efficient data storage and retrieval.
* Created and executed data migration scripts, managing database schema changes to maintain data integrity across different environments.
* Developed RESTful APIs and integrated Swagger for API documentation and testing, enhancing collaboration and ease of use for other developers.
* Implemented authentication and authorization features using Spring Security framework to secure RESTful APIs and user access.
* Collaborated with UI/UX designers to implement responsive and intuitive interfaces, ensuring a seamless user experience.
* Participated in code refactoring and performance optimization sessions, enhancing application efficiency and maintainability.
* Conducted peer code reviews, providing constructive feedback to improve code quality and adherence to coding standards.
* Employed **test-driven development** practices using **JUnit and Mockito** to ensure robust and error-free code.
* Assisted in troubleshooting production issues, identifying root causes and implementing timely solutions to ensure system stability.
* Actively contributed to open-source projects and communities, demonstrating a commitment to continuous learning and sharing best practices in software development.
* Automated build and deployment processes using Jenkins and **Docker,** enhancing CI/CD pipeline efficiency and reducing deployment times.

**Environment:** Java, Spring Framework, Hibernate ORM, MySQL, PostgreSQL, RESTful APIs, Swagger, Spring Security, SDLC, Junit and Mockito, Docker, Jenkins, CI/CD

**Education**

**UNIVERSITY OF MISSOURI KANSAS CITY Kansas City, MO**

***Master of Science in Computer Science; Emphasis in Software Engineering* Jan 2023 - May 2024**

* Concentrated on: Software Security, Network Architecture, Principles of Data Science, Advanced Operating Systems

**GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY Hyderabad, India**

***Bachelor of Technology, Major in Electronics and Communication Engineering***

**Certifications**

* [AWS Certified Cloud Practitioner](https://www.credly.com/badges/f70867b7-9557-4dd9-9d91-e0a699a14bca/linked_in_profile)
* [HackeRank- Angular (Intermediate)](https://www.hackerrank.com/certificates/ec535ff9d245)
* [HackerRank- JavaScript (Intermediate)](https://www.hackerrank.com/certificates/d4d91b708cd0)