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**Summary:**

Motivated **Junior Software Developer** with **2 years** of experience in backend and **full-stack web and mobile development.** Proficient in **Java, Spring Boot, and microservices architecture**, with a strong foundation in **object-oriented programming, data structures, and software development best practices.** Hands-on experience in **REST API development, database management,** infrastructure management, web application development, **unit testing, and cloud technologies**. Skilled in Python, Go, Ruby, Django **mobile development** (React Native, Kotlin), web development, **front-end technologies**, **containerization with Docker/Kubernetes**, and **CI/CD pipeline management**. Passionate about learning new technologies and contributing to innovative software solutions in collaborative environments.

**Technical Skills**

* **Languages:** Core Java 11/17, TypeScript 5.4, JavaScript ES2023,Kotlin,TypeScript,
* **Web Services:** React.js 18.2, Angular 15/17,HTML5, CSS3, Tailwind CSS 3.2, JSP 2.3, Bootstrap 5.3
* **Services:** REST APIs, Twitter API v2, Facebook API Graph API v15.0, Radius, **GraphQL**
* **Databases:** MySQL 8.0, PostgreSQL 16, MongoDB 7.0, Elasticsearch 8.8, Oracle 19c, Cassandra 4.1
* **Web Apps/Servers:** Nginx 1.24, Apache Tomcat 10.1, **WebSphere**
* **Libraries:** Eureka 2.2.4, Zipkin 2.23.2, Kibana 8.12, React Native 0.72,Redis, Swing,
* **Framework:** Spring Boot 3.2 (AOP, Data), Hibernate 6.2, Node.js 20.0, Express 5.0, Drop Wizard 2.0, Jest, Flutter
* **Unit Test: JUnit, Mockito, Jest**
* **Design Patterns:** Factory, Singleton, Observer, Decorator, Adapter, Proxy, Test-Driven Development (TDD)
* **SDLC:** Waterfall, Agile, Service Level Agreements (SLA), Kanban
* **Version Control and Tools:** Git 2.41, GitHub, Trello, Logstash 8.7, Postman 10.12, Docker 24.0, IntelliJ IDEA 2024.2, Visual Studio 1.82, Jira 9.10, Ansible 8.0, Puppet 8.7, SOAP, jQuery, Helm, Yaml, Dynatrace, Vi, Selenium, GCP,
* **Cloud Computing:** AWS S3, EC2, Lambda, SNS, SQS, CloudWatch, Azure
* **CI/CD:** Jenkins 2.415, Maven 3.9, Git 2.41, uDeploy 7.2,
* **Operating Systems:** Unix/Linux (latest)
* **Microservices:** Spring Cloud 2024.0, Kubernetes (K8s)

**Work Experience**

**Ally Financial, USA** Feb 2023 - Present  
*Junior Java Developer*

* Assisted in developing and maintaining backend solutions using Java, Spring Boot, and MySQL, following best practices for clean code and maintainability.
* Participated in Agile development processes, collaborating with cross-functional teams to deliver high-quality software.
* Developed and debugged RESTful APIs, improving backend performance and reliability.
* Wrote unit tests and integration tests using JUnit and Mockito to ensure software quality.
* Assisted in troubleshooting and resolving production issues, working with senior developers to improve system stability.
* Gained hands-on experience with cloud-native solutions, Docker, and Kubernetes for deployment and container management.

**Environment:** Java, Spring Boot, Hibernate, Microservices, Docker, Kubernetes, AWS, PostgreSQL, MySQL, ReactJS, RESTful APIs, Git, BitBucket, Jenkins, JSON, XML.

**Projects**

**Electronic Badge/Attendance System using Spring technologies**

* Developed a RESTful backend for an electronic badge/attendance system focusing on tracking attendance and usage for various functions within an organization, such as dining services, classes, and gym access.
* Designed a UML class diagram based on Domain Driven Design principles and implemented CRUD operations for entities like Location, Account, Badge Scanner, Event, Session, and Member.
* Advanced features included generating Excel reports and an email service for account balance notifications.

**Technologie**s Used: Spring MVC 5.3, Spring Boot 3.2, Spring Data JPA 3.1, Spring Cloud Services 2024.0, Angular 15.

**Real-time Stock Market Data Processing and Visualization Pipeline**

* Developed a high-performance data pipeline using Apache Kafka and Spark Streaming to ingest and process real-time stock market data from Alpha Vantage. Analyzed
* data with Spark SQL, enabling complex queries for in-depth insights.
* Stored analyzed data in Hive for durable and scalable storage, supporting historical data queries. Used Tableau for dynamic charting, transforming analytical results into visual formats for swift and informed decision-making by stakeholders.

**Technologies** Used: Apache Kafka 3.4, Spark Streaming 3.4, Spark SQL 3.4, Hive 3.2, Tableau 2024.1.

**Mini-Online-Market (E-commerce System)**

* Developed a web-based application to support customers with online purchases. The system featured a comprehensive catalog, shopping cart, and order management functionalities.

**Technologies** Used: Java 21, JavaScript ES2023, React.js 18.2, Spring Boot 3.2, Hibernate 6.2, MySQL 8.0.

**Education**

**Master of Science in Computer Science** - Maharishi International University, Fairfield, Iowa

**Bachelor’s Degree in Computer Science** - Eritrea Institute of Technology, Mai-Nefhi, Eritrea