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Backend Engineer with **4+** years hands-on experience building scalable, enterprise-grade applications in Java, Spring Boot, and React.js. Demonstrated expertise in developing and deploying microservices for financial platforms and business-critical systems. Contributed to the full software development lifecycle in Agile teams, integrating technologies like Hibernate, Docker, Kubernetes, AWS, and GCP. Known for automating processes, optimizing backend performance, and deploying cloud-native applications. Passionate about clean code, test-driven development, and building secure, maintainable systems for large-scale, data-driven platforms.

Summary:

- Specialized in developing and deploying microservices architectures for financial systems and business-critical platforms.
- Proficient in Hibernate, JPA, and Spring Security for secure data access, authentication, and authorization.
- Hands-on experience in Docker, Kubernetes, and deploying cloud-native applications on AWS and Google Cloud Platform (GCP).
- Proven ability to automate development workflows and optimize backend performance to support high-traffic, data-intensive systems.
- Skilled in building RESTful APIs, integrating SQL/NoSQL databases (MySQL, PostgreSQL, MongoDB), and implementing caching with Redis.
- Strong understanding of Agile/Scrum practices with a focus on collaboration, iterative development, and continuous delivery.
- Passionate about clean code, Test-Driven Development (TDD) using JUnit and Mockito, and ensuring CI/CD best practices with Jenkins and GitHub Actions.
- Experienced in API security using JWT, OAuth 2.0, LDAP, and implementing robust logging/monitoring with Log4j and Splunk.
- Committed to building secure, maintainable, and scalable systems that align with modern software engineering principles.

TECHNICAL SKILLS:

Programming Languages: Core Java, C++, SQL, PL/SQL
Web Technologies: J2EE, Servlets 2.4/2.5, JSP 2.0/2.1, JDBC 2.0/3.0
Front End Technologies: HTML4/5, Java Script, CSS, JQUERY, AJAX, AngularJS2, NodeJS, JSON, React JS
Java Technologies: Spring, Spring Boot, Spring Cloud, Spring MVC, Spring IOC, Spring Security, Hibernate, Servlets, JDBC, JSP, JSTL, Swing, EJB, JDK1.8
J2EE Technologies: JSP, JDBC, Web Services, Hibernate
Tools: Maven, ANT
Web/Application Servers: WebLogic 7.0/8.1/9.0/10.0, JBoss 4.0.5, Apache Tomcat.
Software Development: Waterfall Model, V-model, RUP, Agile, Scrum, Test Driven Development
Web services: Soap UI, RESTful
Version controllers: SVN, GIT
DataBases: Oracle, MySQL, MongoDB
Tools & Pakages: GIT, IntelliJ IDE, Eclipse IDE, Visual Studio Code(VSC),GitHub, Maven, Gradle, ANT, Jenkins, JIRA, Swagger, Grafana, Bitbucket, Docker, Kubernetes, Apache Camel, Kibana, JFrog Artifactory, YAML and Helm charts.
Cloud: AWS, AWS S3, AWS ECS, AWS EC2, AWS Lambda, AWS RDS, Cloud watch, GCP

Professional Experience

Employer: Peoples Consulting   **Columbus OH**

Client: WageNest   **Columbus OH**
Role: BackEnd Engineer – Java   **Apr 2025 – Present**
Responsibilities:

- Designed and implemented Java Spring Boot microservices for payroll processing, employee management, and compliance workflows, supporting high-volume transactional systems.
- Built and secured RESTful APIs using Spring Security, OAuth 2.0, JWT, and RBAC, reducing unauthorized access incidents and improving API security compliance by 100%.

- Optimized JPA/Hibernate queries and transaction handling, improving database performance by 25–30% and reducing API response latency.
- Implemented Kafka-based event-driven architecture for payroll events (payment initiation, status updates, reconciliation), enabling asynchronous processing and improving system reliability.
- Designed fault-tolerant transaction handling with retry and compensation mechanisms, reducing payment reconciliation issues by ~40%.
- Implemented global exception handling using @ControllerAdvice, improving error traceability and reducing production support issues.
- Integrated Log4j with centralized logging (ELK/Splunk), reducing mean time to resolution (MTTR) for production issues by 30%.
- Wrote unit and integration tests using JUnit and Mockito, maintaining 80%+ code coverage and ensuring production stability.
- Containerized services using Docker and deployed on Kubernetes, enabling horizontal scaling and improving deployment reliability.
- Automated CI/CD pipelines using Jenkins and Maven, reducing deployment time by 40% and enabling faster feature releases.
- Collaborated with cross-functional teams in an Agile/Scrum environment, delivering features aligned with payroll compliance and business requirements.

Environment: Java, Spring Boot, Spring Security, OAuth 2.0, JWT, RESTful APIs, Microservices Architecture, Apache Kafka, JPA, Hibernate, MySQL, PostgreSQL, Redis, Docker, Kubernetes, Jenkins, Maven, CI/CD Pipelines, Log4j, ELK Stack, Splunk, JUnit, Mockito, Agile/Scrum, Git, Linux, AWS, GCP

Client: ChildEra,   **Columbus OH**
Role: Jr. BackEnd Engineer – Java   **Jun 2024 – Apr 2025**
Responsibilities:

- Developed scalable backend services and UI components in an Agile/TDD environment using Spring Boot, React.js, and pair programming principles.

- Utilized React.js, Axios, and Redux-Saga to handle API calls (GET, POST, PUT, DELETE) for a reporting tool application.

- Built applications using Spring Framework (MVC architecture) with Dependency Injection, applying Spring DAO for seamless Hibernate integration.

- Engineered multi-threaded Core Java applications, optimizing performance and minimizing memory leaks.

- Used Hibernate ORM and JPA for mapping Java objects to relational database tables and efficient transaction management.

- Created and configured Hibernate mapping files and POJOs to interact with relational databases.

- Designed and deployed Spring Boot microservices with Spring IoC and REST APIs, enabling modular, loosely coupled architecture.

- Automated document workflows (generation, sending, signing) using Apache PDFBox, reducing manual intervention and improving transaction processing times by 30%.

- Architected and deployed enterprise Java applications on Google Cloud Platform (GCP) using Google App Engine, GKE (Kubernetes), and Cloud SQL/Firestore for scalable, managed environments.

- Containerized and deployed applications using Docker and Kubernetes, with automated CI/CD pipelines via Jenkins and Maven.

- Applied JUnit, Mockito, and Cucumber in a Test-Driven (TDD) and Behavior-Driven Development (BDD) setup to ensure high software quality.

- Implemented comprehensive logging and monitoring using Log4j, aiding in debugging and system health checks.

- Worked extensively across the Software Development Life Cycle (SDLC) from planning to deployment.

- Experience in Red Hat Linux capacity and performance planning to ensure robust infrastructure support.

Environment: ReactJS, HTML5, CSS3-SASS, Bootstrap4.0, ES6 JavaScript, React-Axios, AJAX HTTP Service, Spring boot, Spring Security, Node Package Manager(NPM), Oracle DB, MySQL, Spring Data, Swagger, JPA, jQuery, OAuth2.0, Apache PDFBox, Jenkins, Bamboo, Log4j, Elastic search, JBoss, Web pack, RESTful, LINUX, GCP, Elastic Load Balancer, Junit4, Docker, Eclipse Java EE IDE.

Employer: Axis Bank   **Bangalore, India**
Role: Deputy Manager of IT (Full Stack Developer)   **Oct 2021 – July 2023**
Project: Corporate Business Loans
Responsibilities:

- Contributed to the end-to-end development of a Corporate Business Loans Lending Platform, supporting all phases of the loan application process, from submission to approval and processing.
- Built responsive and dynamic Single Page Applications (SPAs) using React.js, integrating React Hooks, Context API, and Bootstrap to implement features like loan filters, bookmarking, and dynamic validations.
- Developed and deployed scalable backend microservices using Spring Boot, incorporating OAuth 2.0 for secure RESTful API authentication and Swagger for API documentation and testing.
- Integrated Hibernate ORM and Oracle database to manage persistent data efficiently, and used SQL rewrite techniques for optimized query handling.
- Deployed frontend apps on AWS S3, configuring CORS for secure API access, and launched backend services on Docker containers via Amazon ECS.
- Configured and managed JBoss Application Server for stable backend deployments in production environments.
- Implemented CI/CD pipelines using Jenkins, automating builds, tests, and deployments for faster release cycles.
- Enforced DevSecOps best practices, ensuring that application development followed secure coding, testing, and deployment standards across the SDLC.
- Collaborated in an Agile (Scrum) team, participating in sprint planning, development, system testing, and user acceptance testing (UAT).

Environment: Java,Java8, J2EE, JDK 1.8, Spring Boot, Microservices, JSF Framework, Spring Security, AngularJS, NodeJS, RabbitMQ, JavaScript, Apache Tomcat, Agile, HTML5, CSS, Bootstrap, SOAP, MongoDB, PostgreSQL, Graph DB, JUnit, Jenkins, Log4j, JIRA, Git, AZURE, Docker, Kubernetes, Terraform, TDD, Selenium, Jasmine, Karma

Employer: Samsung   **Bangalore, India**

Role: Research Intern   **Mar 2021 – Oct 2021**
Responsibilities:

- Involved in development of Gesture Recognition flavored application called Gesture Gaming - TV mirroring
- Used opencv to recognize gesture and made take appropriate actions based on gesture movement
- Conducted extensive literature review on gesture recognition and TV mirroring technologies, identifying key trends and challenges.
- Collaborated with engineers to develop and test prototype gesture recognition algorithms using depth-sensing cameras and machine learning techniques.
- Assisted in testing hardware compatibility with various configurations to ensure seamless integration with smart TVs and mobile devices.
- Analyzed and optimized performance metrics including accuracy, latency, and robustness of gesture recognition algorithms.
- Designed and conducted user experience testing sessions to gather feedback and iteratively improve gesture-based interactions.
- Documented research findings, experimental procedures, and algorithm implementations for knowledge sharing within the team.

Educational Details
- o **Masters In Computer Science:** Wright State University, United States
- o **Bachelor's In Computer Science**: Karunya University, INDIA