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SUMMARY:

- 10+ years of Java/J2EE experience in all phases of software development life cycle
- Skilled in various software development methodologies including Pair Programming, Test Driven Development, Waterfall, and Agile/Scrum.
- Expertise in design and development of web and J2EE applications using Java, Spring, Hibernate, JMS, and Web Services (SOAP, REST).
- Good knowledge on the spring modules MVC, Spring Security, Cloud, Spring Batch, Spring ORM
- Expertise in web development using JSP, HTML, CSS and JavaScript.
- Proficient with front end frameworks Angular, React JS.
- Experience with various RDBMS (MySQL, Oracle, PostgreSQL, DB2) and NoSQL databases (DynamoDB, Cosmos DB-MongoDB), and ATMOS blob storage.
- Hands-on experience with Messaging Services including Kafka, JMS, and MQ Series brokers (Active MQ, IBMMQ).
- Familiarity with Docker container management, Kubernetes deployments, and Blue/Green deployment strategies.
- Set up Jenkins for CI/CD with visual pipeline using Blue Ocean and skilled with Maven and Gradle build tools.
- Implemented TDD in complex banking applications, integrating automated tests into the CI/CD pipeline to ensure faster feedback and more reliable feature releases.
- Experience in BPMN 2.0 modelling and leveraging Flowable Java API for business process deployment.
- Involved in **Disaster Recovery Planning** and designed and helped in DR activities for compliance.
- Worked on Application Restoration Management, Application Request Fulfillment, and Application Root cause Analysis and Code Remediation
- Expertise in monitoring logs on UNIX servers using PuTTY and Command Lines on various Server instances.

TECHNICAL SKILLS:

Languages	JAVA 1.8+,17,20, J2EE, Python, JavaScript
Frameworks	Hibernate, Springboot, Angular JS, React JS
Cloud Platform	Spring Cloud, VPC, EC2, Elastic Beanstalk EBS, AMI, RDS, S3, Route 53, DynamoDB, ElastiCache, IAM, ECR/Fargate, SES, SNS, SQS, Lambda, Cloud Watch, Elastic Load Balancer(ELB), Auto-Scaling, IAM Roles, Elastic IP
Application Web Servers	Apache Tomcat 8.0/7.0, Websphere 8.0
Web Technologies	HTML, CSS, Java Script, Angular JS, XML, JSON, RESTful and SOAP Web Services
Database Systems	DB2, Oracle, My SQL, PostgreSQL, MongoDB, DynamoDB, neo4j

Version Control systems	SVN, Git and BitBucket
Software/Tools	Jenkins, Docker, docker-compose, Kubernetes, Terraform, AppDynamics, Gatling, KeyCloak, Nexus artifactory, Jfrog artifactory, Lombok, swagger, pgAdmin 4, Orika, MapStruct
Ecommerce Technology	SAP-Hybris 5.4,5.6, AEM
Business Process Management Tools	Experience in the modelling based on BPMN 2.0, flowable API

EDUCATION:

- Completed master's in computer science from **University of New Orleans, LA**
- Completed Bachelors in **Electronics and Communication Engineering, IN**
- Azure certified developer – **AZ204**

PROFESSIONAL EXPERIENCE:

Client: Royal Bank Of Canada

Mar'21 - Current

Lead Software Developer

- Spearheaded and contributed to key digital transformation projects, enhancing both online and mobile banking experiences for customers.
- Played a pivotal role in the design, development, and deployment of critical banking features, including:
 - **International Money Transfer:** Streamlined and secured the process for cross-border transactions, ensuring a seamless experience for users.
 - **Void Cheque Feature:** Modernized and digitalized the process of generating and sharing void cheques, enhancing customer convenience.
 - **Credit Score Integration:** Integrated real-time credit score monitoring into the digital banking platform, empowering customers with instant access to their credit health.
 - **Daily Transaction Limits:** Implemented and optimized transaction limit features, balancing between security and user convenience.
- Actively involved in the strategic migration of banking services from on-premise infrastructure to Microsoft Azure, ensuring data integrity, security, and service continuity.

Responsibilities:

- Developed Microservices using Spring boot, **Spring 5.X, JPA, PCF, UCD, Kafka, Redis, Apigee, Pingfed, Jenkins** and **Atlassian products** stack.
- Migrated the legacy spring Microservices to latest **Spring boot 2.4.0**
- Extensive knowledge on migrating the **JBoss** hosted services to **pcf** cloud and then to **Azure**.
- Worked on scheduling the jobs/tasks using PCF Scheduler and as well as spring batch scheduler using CRON.
- Knowledge on API gateway Apigee, onboarding the services as consumers and as a producer, also rate limiting the existing services.
- Setting up the services for **asynchronous** processing which includes configuring the **Kafka** for asynchronous processing of files and creating listener and producer with **JMS**.

- Used Spring security, Spring Batch, Spring cloud extensively.
- Spring cloud support using **Eureka service registries** and used **DiscoveryClient** API and **Ribbon** as a client-side load balancer.
- Experience configuring the Microservices with enterprise HashiCorp Vault and PCF Vault for storing PCI DSS/ token/ Secret data for security.
- Experience implementing the client-credential, Authorization code flow with **Spring Security** for Authentication and Authorizations. IpPinning/whitelisting of hosts and the SSL verification was also implemented for security.
- Experience integrating services with external vendors through **Apigee** for generating SMS/Voice OTP calls, identity document verification and generating the legal agreements.
- Experience deploying the containers via UCD to pivotal cloudfoundry, binded the services with CUPS and UUPS commands.
- Working on **Cryptographic** Software development (**base 64 Encode/decode and Encrypt/Decrypt**) such as **SHA 512/256** hash operation on Binary data and **ED25519** signature verification using the public key from the certificate included.
- developing flexible search functionalities which also supports indexing and searching using **Apache Solr**
- Designed and implemented complex **state transitions** using **Spring Statemachine** to manage workflows for critical business processes such as credit card issuance and Apple Wallet provisioning, ensuring seamless multi-step coordination.
- Container management using Docker by writing **Dockerfiles** and set up the automated build on DockerHub and installed and configured Kubernetes.
- Created reproducible builds of the **Kubernetes** applications, managed Kubernetes manifest files and Managed releases of Helm packages.
- Leveraged SAST, DAST, Aqua Scan for comprehensive security scanning, elevating application security by early threat detection and mitigation.
- Fixing existing **SonarQube** build jobs so that it runs daily and to make sure the services pass the quality gates.
- Experience writing the Unit test scripts using **Junit**, **Mockito** and used CheckMarxScan integrations to find the code vulnerabilities and jacoco, PMD plugins for code quality and code coverage.
- Supported application on rotation basis for **on-call** duties.
- **ServiceNow** used for handling day to day **incidents, problems, changes** and issues.
- Added integration tests with **Cucumber** in **Gherkin**

Environment: Java, Spring boot, REST, SOAP, Hibernate, JPA, MongoDB, JMS, Oracle, GitHub, SonarQube, apigee, Azure, AWS, Kubernetes, Kubectl, docker, Jenkins, OAuth, Pcf, JBoss, Maven, Apache solr, Elastic search, Kafka, HashiCorp Vault, Swagger, Nexus, CheckMarx, splunk, dynatrace

Client: John Deere, Columbia MD

Mar'16- Jan'20

Sr. Java Developer

- **Led the John Deere Customer Performance (JDCP)** initiative, revolutionizing client engagement with John Deere's digital tools, with a particular focus on enhancing the experience for home and property owners.

- **Facilitated** the seamless integration of JDLink into the **John Deere Operations Center** website, creating a unified platform for comprehensive operations and machinery management.
- **Played an Integral Role** in amplifying the functionalities of the Operations Center, enabling real-time, data-driven decision-making for both immediate tasks and long-term planning.

Responsibilities:

- Worked on **Agile Methodology** for the project and used **Atlassian** products JIRA, confluence wiki and bitbucket.
- Designed and Developed End to End customer self service module using **Spring MVC, Hibernate**.
- Hands on experience on **Spring boot** 2.X and upgraded the services spring boot versions to 2.0 from 1.5.6
- Functionalities include writing code in **JavaScript, AngularJS**, and **Bootstrap** with **DB2 database** as the backend.
- Setting up the services for **asynchronous** processing which includes configuring the **ActiveMQ** for asynchronous processing of files and creating listener and producer with **JMS**.
- Writing code to identify incoming **Component** Service messages that require processing and handling of large **batch** jobs, we have used Spring Batch for **FTP** transfers, Storing files to **Amazon S3**, **Archiving** the files and **Purging**, this functionality also included setting up the **CRON** jobs.
- Implementing **pagination** in spring boot applications and paged resources to have previous and next links.
- Spring cloud support using **Eureka service registries** and used **DiscoveryClient** API and **Ribbon** as a client-side load balancer.
- Implementing JMS Subscriber and Publisher Message Listeners and **JMS broker (Kafka, ActiveMQ, IBMMQ)**
- generated "pre-authorized" URLs which skips the OAuth by setting up the GET with a Spring Security Configuration having higher precedence(@Order) than the OKTA. Used **hmac** Hash algorithm, Base64 url encoding to achieve this.
- **Spring Security** for Authentication and Authorizations, restricting site access by roles and use of **OAuth** token providers to assist with **SSO**.
- Upgraded **Site minder** authentication to **OAuth2** token and implemented @Principle, MDC filters to log the unauthorized logins.
- Installed application on AWS EC2 instances and configured the storage on S3 buckets.
- Maintaining the security groups in EC2, EC2 VPC and controlling the inbound and outbound traffic that can reach the instances.
- Implemented AWS Code Pipeline and Created Cloud formation JSON templates in **Terraform** for infrastructure as code.
- Prepared Unit test scripts using **Junit, Mockito** and Making sure code coverage is achieved using **Cobertura** tool
- Building Load Tests for each route that is available on micro services (GET, POST, PATCH) using **Scala** and to test the generated Load Tests using <https://gatling.io/>. Also testing concurrency using **Jmeter** and **LoadRunner**
- Executing the tests and monitoring the application server metrics using Kibana, **AppDynamics**, AWS CloudWatch, JConsole etc.,

Environment: Java, Spring boot, Hibernate, JPA, Tomcat application server 8.0, JMS, Oracle, DB2, SVN, GIT, AngularJS, JSON, Maven, AppDynamics, Cloudfoundry, AWS S3, Fargate, MemCache, Kibana, Elastic cloud storage, DeployIT, PCF, Mockito, Power Mock, Jmeter, LoadRunner, Gatling, Solr indexing, STS Spring tool suite, eksctl, kubectl, ECR, ECS, EKS, Docker, Kubernetes, Kafka

Client: Bank of America, Bangalore

Jan'13-Jul'14

Java/J2EE Developer

Company: Accenture

Compliance and Reporting Systems: Projects goal is to ensure wire transfers comply with both domestic and international regulations. Also generating reports for internal audits and regulatory bodies.

Responsibilities:

- Involved in **SDLC** Requirements gathering, Analysis, Design, Development and Testing of application using Agile Model
- Experience in Micro services development using spring boot and deployment in **Pivotal Cloud Foundry** PCF
- PCI DSS Compliance is followed to secure the users Sensitive data by using encryption/hash algorithms.
- Developing and consuming REST APIs such as GET, POST and PATCH methods with JAX-RS
- Implemented pagination for the application by integrating **Spring** framework with **Angular JS**
- Object relational mapping and Persistence mechanism is executed using **Hibernate ORM**
- Asynchronous messaging is executed by utilizing **JMS** API for point-to-point messaging.
- Used **Spring DAO** to interact with **DB2** using Jdbc template.
- Implemented web services for communication by using **SOAP** hosted in **AWS**
- Used **Web sphere Application Developer** for building, testing, and deploying application locally.
- Worked on Apache SolrCloud to index documents and written **Solr** queries for search documents.
- Deployed, Scaled, Configured, wrote manifest file for various Microservices in Pivotal Cloud Foundry (PCF) using Jenkins and DeployIt
- Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the DockerHub
- Fixing existing **SonarQube** build jobs so that it runs daily and to make sure the services pass the quality gates.
- Used **GIT** controls to track and maintain the different version of the project.
- Used Log4j to print the logging, debugging, warning, info on the server console.
- Working experience on Shell scripting UNIX/Linux.
- Implemented full-stack performance monitoring using **Dynatrace**, enabling proactive detection and resolution of performance bottlenecks across Java microservices.

Environment: Web Sphere Application Server 7.0, Spring Framework, Bootstrap, Java, JSP, JavaScript, SOAP, Solr, DB2, Log4j, Hibernate, JMS, UNIX, Cloudfoundry PCF, AWS Code Commit, AWS Code build, AWS Code Deploy, SonarQube

Client: Walmart, Bangalore

Feb'12-Dec'12

Java Developer

Company: Accenture

Dynamic Pricing System: Part of a mega project that developed a system that adjusts product prices based on several factors: inventory levels, competitor pricing, demand forecasts, etc. This involves a price

conversion project where prices from various global suppliers are harmonized into a single currency, considering exchange rates, taxes, and import duties.

Responsibilities:

- Involved in developing, exposing and consumption of **RESTFUL Web services**.
- Used **Spring MVC** with **Hibernate** framework to build the application on server side.
- Used Advanced Core Java concepts Collections, Generics, Multithreading, Synchronization and Design Patterns
- Worked on server-side validations using various web forms through annotation-based approach.
- Created **XSD** schemas and implemented **SOAP Web Services** using **WSDL, XML** and **SOAP** for transferring data.
- Used Hibernate to map data representation from **MVC** model and Oracle Relational Data Model with a SQL-based schema.
- Handed on **Spring FTP Integration** for transferring data to remote FTP server.
- Used **JSP, HTML5, CSS3, Ajax** toolkit and **JavaScript** to design the UI
- Worked on form validation, error handling and event handling using **JavaScript** and **jQuery**.
- Extensive experience with the search engines Apache Solr, Apache Lucene, and Elastic search
- Developed **SQL** queries for retrieving data used to generate the reports.
- Developed **Stored Procedures** and **Triggers** on Oracle Database.
- Automated the build and release process by using shell scripting, **Maven** and **Jenkins** in non-production environments.
- Developed test cases and performed unit testing using **JUnit** classes.
- Used **Log4j** for application logging and debugging.

Environment: Java, J2EE, Servlets, JSP, Junit, Spring, Oracle11g, Maven, Apache, Eclipse IDE, Log4J, Ajax, SOAP, HTML, CSS, JavaScript, JSON, SVN, Informatica ETL