

Deepak Agrawal
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Summary:

- 11 years of IT experience in different capacities as a Senior Software Engineer, Technical Lead.
- Experienced in developing enterprise applications using Spring Boot, Spring, JPA/Hibernate, RESTful and SOAP webservices.
- Experienced implementing projects using Microservices architecture, MVC Architecture, SOA Architecture, and Design Patterns.
- Possess expertise in Core Java, Collections, Multi-Threading, Generics, and Object-Oriented Programming (OOP) concepts, Front-end Technologies (HTML, CSS, JavaScript).
- Possessing working knowledge and hands-on experience in Angular and NodeJS.
- Proficient in working with PL/SQL, handling large and complex database management systems using Oracle and MySQL.
- Experienced in optimizing application performance through fine-tuning of SQL queries and code optimization techniques.
- Experienced in end-to-end product development, testing, and deployment across Windows and Unix environments.
- Experience in deploying, and administering application servers such as JBoss EAP 7.x, IBM WebSphere Server, Apache Tomcat.
- Experience in Cloud platforms like OpenShift, AWS, in conjunction with Kubernetes for container orchestration and deployment.
- Hands on experience working with MuleSoft (ESB) and Any Point Platform to build web service API.
- Experience of working in Agile/Scrum methodology.
- Highly motivated and versatile team player with strong analytical and problem-solving skills.

Education:

Master's in computer science	GPA: 3.9/4	University of North Carolina at Charlotte, NC	June 2017
B.E. in Computer Science	GPA: 3.5/4	Rajiv Gandhi Technical University, India	June 2011

Technical Skills:

Programming Languages	Java 1.8, PL/SQL
Java Frameworks	Spring Boot, spring 4.2, Spring MVC, JPA/Hibernate
Web Frontend Technologies	Angular 8, NodeJS, JavaScript, HTML 5, CSS 3,
Other Technologies	RESTful & SOAP web services, Servlet, JSP, Maven, JUNIT, XML, SQL, Kafka
Cloud Platform	Open Shift, Kubernetes, AWS, Docker
Databases & Application Server	SQL Server 2016, Oracle 12g, Mongo DB, Web Logic 10.3, Apache-Tomcat 6.0.18, JBoss EAP 7.1
Tools & IDE	IntelliJ, Git/GitHub, Bitbucket, JIRA, TeamCity, Jenkins, Eclipse, TOAD, SQL Developer, Perforce
	TortoiseSVN, Splunk
Functional Domain	Banking/Finance, Capital Market

Professional Experience:

Employer	Role	Client	Duration
Kforce Inc.	Full Stack Developer	MUFG Bank/U.S. Bank	Aug-2020 to Ongoing
Capgemini America Inc.	Senior Consultant	MUFG Bank, Ltd.	April-2018 to Aug-2020
Mitchell Martin Inc.	Senior J2EE Developer	Bank of America	Aug-2017 to Mar -2018
Persistent System Limited	Senior Java Developer	SAP – Success Factors/ Oregon Department of Transport	Oct-2014 to July 2016
Tata Consultancy Services	Software engineer	Morgan Stanley	Mar-2012 to Oct- 2014

Certification & Other Activities:

- Oracle Certified Java programmer (OCJP) since Apr-2013.
- MuleSoft Certified Developer - Integration and API Associate
- Worked as a freelancer for a firm to transform traditional processes into efficient digital solutions.
- Industrial Training Program on Use Case Modeling and Use Case Analysis.

Projects:

MUFG Bank/US Bank– Full Stack Developer (April-18 to ongoing)-USA

Description: The unsecured consumer lending (UCL) application enables collateral-free lending to individuals. It provides a streamlined process for loan applications, credit evaluations, and loan approvals. This application manages the complete lifecycle of unsecured consumer loans, including loan disbursements, repayments, and loan closures.

Responsibilities:

- Led the development team to implement complex application system for Unsecured consumer lending applications.
- Developed application from scratch on Microservices architecture using Spring boot, Angular, Restful services, JPA/Hibernate etc.
- Implemented RESTful APIs and integrated with third-party services EWS, Threat Matrix, Boku, Emailage to prevent system from Fraudulent activities.
- Implemented JUnit test cases using Mockito for business logic, rest endpoint services
- Collaborated with cross-functional teams to gather requirements, design system architecture, and implement scalable solutions.
- Followed Agile methodologies, including Continuous Integration/Continuous Delivery (CI/CD) and Security practices

Environment: Java 1.8, Spring Boot, NodeJS, Angular, Oracle, Restful Service, JBosss7.1, Microservices, OpenShift, Kubernetes

Bank of America- Charlotte - Senior J2EE Developer (Aug-17 to Mar-18)-USA

Description: Global Fraud Detection (GFD) interfaces with CashPro Payments Services (CPS), a key channel in the global banking payment process. GFD handle transactions, validates and scans for fraud activity, and manages the entire lifecycle until final settlement.

Responsibilities:

- Design and develop API to utilize FX interface for cancel trade associated with fraudulent cross currency payment.
- Developed MDB listener to consume events and persist in DB and Publish events on queue.
- Developed provider with the help of MQ to drop a message to trigger BPM/GFD Flow.
- Implemented secure authentication for RESTful APIs using JSON Web Tokens (JWT).
- Implemented Spring, Collections, Multi-Threading, Exception Handling and OOPs concepts in the business logic layer.
- Managed offshore team in agile environment, held code review and introspection meetings with peers.

Environment: Java 1.8, Spring Boot, Oracle11g, Restful/Soap Web Service, Web logic 10.3, Perforce, IBM MQ, Jenkins, Splunk.

SAP – SuccessFactors - Senior J2EE Developer (Mar-15 to Jul-16)-INDIA

Description: Learning Management System (LMS) is a web-based application that simplifies the development, deployment, and management of learning programs. It supports performance goals, career development, compliance objectives, and tracks employee progress through exams, assessments, and certifications.

Responsibilities:

- Oracle to SAP-HANA Migration: rewrite database structure, views, and procedures from Oracle DB to HANA.
- Designed and developed the Exam management module to display the exam schedule details.
- Implemented REST API for interacting with downstream systems, consumed by product UI & the mobile app.
- SQL Optimization, Code Analysis, Defect Fixing using agile development methodology.

Environment: Java 1.7, Spring, Restful service, Oracle, SAP-HANA, Tomcat, Apache Ant, SVN, TeamCity, JIRA.

Oregon Department of Transport - Senior J2EE Developer (Oct 14 – Mar 15)-INDIA

Description: The Oregon Road Usage Charging System is a web-based application that collects road usage charges from volunteer vehicles. It uses a Mileage Collection subsystem with a Mileage Reporting Device (MRD) and Data Collection component. The system sends mileage messages to Account Managers who generate customer invoices and transfer revenue to the Oregon State Treasury.

Responsibilities:

- Experience in creating ER, Class Diagrams, and Sequence Diagrams using Unified Modeling Language (UML).
- Designed and developed the Authentication / Authorization functionality using Java, Spring Security.
- Designed and developed customer profile modules using Spring MVC architecture and UI using JSP, HTML, CSS and JavaScript to manage the customer profiles.

Environment: Java 1.7, REST API, Spring MVC, Hibernate, Tomcat, Maven, SVN, TeamCity, MySQL, JIRA, HTML, CSS, JavaScript.

Morgan Stanley - Software engineer (Mar 12 – Oct 14)- INDIA

Description: iCapture is an application that captures and enriches trade messages (FIX derivatives) for an e-trading system. It enables the prediction of risk and margining factors in a trade portfolio by passing trade information downstream.

Responsibilities:

- Created the XML Schema definitions, and the logic to parse the XML request and response using JAXB.
- Implemented Spring, Hibernate, DAO design pattern, SOAP web services, collections, multi-threading in the business layer.
- Involved in peer code reviews and re factored java code to make it more maintainable.

Environment: Java 1.6, REST API, XML, spring, Oracle, Eclipse, IBM WebSphere, Apache Ant, IVY, Perforce (P4), TeamCity, JIRA.