



Dipak Bohara

SOFTWARE ENGINEER

Contact Information

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Location: Dubai, UAE

SUMMARY

Experienced Full Stack Developer with over 4 years of expertise in Java, Spring Boot, J2EE, Spring MVC, Spring Cloud, React.js, node.js and microservices. Proven track record in driving project outcomes, optimizing system performance, and delivering high-quality software solutions. Adept at collaborating with cross-functional teams and supporting the entire application lifecycle.

Skills

- Programming Languages: Java, Python, C++, JavaScript
- Frameworks: Spring MVC, **Spring Boot**, Struts, JPA, Servlet, JSP, **Node.js**
- Security: JWT, OAuth2, MFA, Role-Based Authentication, ACLs
- Databases: Oracle, MySQL, PostgreSQL, SQL Server, MongoDB, NoSQL
- Version Control: GitLab, GitHub, SVN
- Project Management: Jira
- Development Tools: VS Code, IntelliJ, Eclipse, Docker
- Other: **Redis**, HazelCast, Apache **Kafka**, Manual and Mock Testing, Feign Client, Resilience4j, websocket, Spring Cloud, Spring Security, message brokers, Google Guava, Gson, Log4j, JUnit5, Knowledge of cloud computing, Hibernate, Jersey (JAX-RS), Redux, **React.js**, Axios, Bootstrap 5, **microservices**, cloud computing, Apache **Camel**.

Experience

Associate Software Engineer at Raksha TPA (India)

July 2020 – December 2021

- Collaborated with clients, gathering requirement with effecting communication.
- Developed and maintained the Insurance Portal Management system, increasing performance by 45% by optimizing database query and implementing caching.
- Implemented OAuth2 and jwt authentication, securing application in modern way.
- Successfully migrated projects into Spring Boot, Node.js, and React.js.
- Resolved daily bugs, ensuring 99% system uptime.
- Contributed to sprints, consistently meeting milestones.
- Created documentation and managed Git repositories for efficient collaboration.

Software Engineer at Liberin Technologies (India)

January 2022 – December 2023

- Collaborated with Esq, requirement gathering and providing technical solutions.
- Led the migration of RBAC to Spring Boot, Node.js, and React.js, optimizing performance by optimizing the database query and implementing caching like Redis and HazelCast.

- Addressed daily bugs and resolving them, ensuring software stability and reliability.
- Implemented a caching system like Redis and HazelCast, increasing application performance by 30%.
- Contributed to sprints, consistently meeting project goals.
- Engaged in daily stand-ups, providing regular progress updates.
- Upgraded vulnerable dependencies, improving security.
- Maintained detailed work logs in Jira for accurate task tracking.
- Created and managed Jira tickets, ensuring effective issue resolution.

Freelance Software Engineer at Tridel Technologies (Dubai)

January 2024 – July 2024

Developed an environmental monitoring application fetching Tide, Air Quality, Water Quality, Current, and other sensor data from sea buoys every 3 minutes. Included user, station, and sensor management, along with data comparison and visualization using graphs.

Projects

-Insurance Portal Management

Raksha TPA

- Developed the Insurance Portal used for processing claim registrations, synchronizing between departments such as doctor verification, accounting auditing, and others.
- Facilitated seamless transfer of verified claim details to insurance issuing companies like IFFCO, LIC, etc., upon successful verification.
- The application is built with Struts, AJAX, jQuery, JSP, Servlet, Spring MVC, Oracle, and Kafka and MFA for enhanced authentication..

(Ready to explain in detail if needed)

-IT System Management

Raksha TPA

- The application developed for Raksha TPA efficiently manages system data for employees across 61 branches, streamlining the recording of hardware and software changes.
- System engineers can create, update, and delete records, and the application provides an internal service API for the employee portal, allowing users to view their assigned systems. It enables the generation of detailed Excel reports and uses React.js, Node.js, MongoDB, and JWT for a robust and secure infrastructure. This solution ensures quick access to up-to-date information for authorized personnel, eliminating the need for physical records.

(Ready to explain in detail if needed)

-PB Secure ITM (Pitney Bowes India)

Liberin Technologies

- Developed a comprehensive transaction management application, PB Secure ITM India. It is designed for transaction and stamp duty paper-related tasks, enabling advanced stamp duty collection and providing seamless reconciliation for printing stamp duty papers.
- The application uses Spring Boot, React.js, Redis Cache, Kafka, JWT for security, PostgreSQL for the database, and MFA for enhanced authentication.

(Ready to explain in detail if needed.)

-Internal Chat Application

Liberin Technologies

- Developed a chat application with features such as creating groups, single chat functionality, and sharing screenshots. The application ensures only employees can log in and set their profiles and is part of a microservice architecture.
- Built with React.js, shadcn ui, Tailwind CSS, for the frontend and Node.js for the backend, it uses WebSocket for real-time communication, Kafka for event handling, MongoDB for data storage, Zustand for state management, and JWT for authentication.

(Ready to explain in detail if needed.)

-RBAC Application (Role-Based Access Control)

Liberin Technologies

- Developed a comprehensive Role-Based Access Control (RBAC) application for user and tenant management, with advanced features for account administration, role-based access control, and activity tracking. Implemented multi-level checker-maker functionality to facilitate controlled workflows.
- Recent upgrades include migrating from Hibernate to Spring Data JPA, transitioning from Jersey to Spring Boot, and integrating Spring WebClient. Enhanced security with encryption techniques and protection against XSS, XXE, and phishing attacks. Technologies used: Maven, Spring Boot, Spring MVC, Thymeleaf, Spring Data JPA, CAS, SSO, MSSQL Server, React.js, kafka.

Also worked on many other applications(Ready to explain in detail if needed).

-E-commerce application

Liberin Technologies

- Developed a full-stack e-commerce application featuring an admin dashboard and Paytm payment gateway. Built with React.js, Node.js, and MongoDB, it includes user account management, shopping cart, wishlist, and product browsing with pagination and filters. Admins can manage orders, products, and users, and track stock.
- Built using React.js, React Router, Redux, Tailwind CSS, Material-UI, Chart.js for front end and Node.js, Express.js, MongoDB, JWT (JSON Web Tokens) used in backend and also Paytm as payment gateway.

Also worked on many other applications(Ready to explain in detail if needed).

-Freelance Networked Terrain Gauge at Tridel Technologies (Dubai)

- Developed a product for a Dubai-based company, incorporating requirements from clients in Saudi Arabia and India, successfully delivered in July 2024.
- Enhanced user engagement by 80% with interactive maps, data visualization charts, and user-friendly features using React.js and Leaflet.
- Improved backend performance by 40% with optimized database queries, Redis caching with Spring Boot. Real-time data ingestion with Apache Kafka for efficient data streams and secured access with JWT.

(Ready to explain in detail if needed.)

EDUCATION & LANGUAGES

Bachelor of Technology in Computer Science Engineering
MDU Rohtak, India (2017 - 2021)

- Graduated with 71%, **degree is attested and recognized by the Ministry of Education, Dubai.**

LANGUAGES

- English
- Hindi
- Nepali