

Karan Vishwakarma

Results-driven Full-Stack Software Engineer with 3.4+ years of experience in designing, developing, optimizing, and maintaining scalable web applications. Proven expertise in Java (Spring Boot), Angular, ReactJS, and MySQL. Adept at applying engineering best practices to solve complex problems, enhance system performance, and ensure high-quality deliverables. Demonstrated ability to lead development efforts, mentor junior developers, and collaborate cross-functionally with stakeholders. Passionate about building robust software solutions that align with user needs and business goals.

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📍 Bengaluru, Karnataka

🌐 karankvk

WORK EXPERIENCE

BSOL Systems Pvt. Ltd. Bengaluru

(Logistic Domain) Software Engineer

03/2022 - Present

BSOL Systems is a leading IT solutions provider for the maritime industry, delivering innovative software and services in areas like chartering, audits, inspections, and bunker surveys. With expertise in integrating platforms like IMOS, NS5, and Q88, BSOL combines cloud computing, BI reporting, and mobile technologies to drive digital transformation.

Key Responsibilities:

- Designed and developed robust file upload functionalities supporting diverse formats including .xlsx, .csv, .json, .xml, and .txt, while resolving format-specific integration issues.
- Built and maintained web and desktop applications, including custom feature implementation, certification screen development, and report generation with third-party tools.
- Spearheaded timesheet functionality for workforce task tracking, taking ownership of core architecture and ensuring on-time delivery with high code quality.
- Integrated Google authentication and contributed to performance optimization and user experience improvements across various modules.
- Played a pivotal role in identifying and resolving critical bugs, including data persistence issues on cloud platforms (AWS).
- Led the migration of a legacy application from **Node.js with Create React App** to **Vite with Node.js 22**, enhancing build performance and leveraging modern tooling.
- Managed and guided teammates by assigning tasks, performing code reviews, and ensuring adherence to best development practices.
- Specializing in Java (Spring Boot), Angular, AngularJS, ReactJS, and SQL. Proficient in resolving production issues, leading deployments, and implementing new features and enhancements.
- Strong focus on performance optimization, scalable architecture, and end-to-end project execution in Agile environments.
- Mentored and trained new hires, including freshers and interns, facilitating a smooth onboarding process.
- Coordinated with clients to identify and clarify project needs, ensuring effective communication and high client satisfaction.

Core Competencies:

- **Backend:** Java 8/17, Spring Boot, Hibernate, Microservices
- **Frontend:** AngularJS, Angular 6/14, ReactJS, Material UI (MUI)
- **Database:** MySQL, MS-SQL Server
- **Tools & Platforms:** Git, AWS, Maven, Vite, Stimulsoft
- **Other Skills:** Performance tuning, scalable architecture design, Agile methodology, CI/CD, task delegation, and production support

PROJECTS

Audit Application(2.0)

11/2024 - Present

- Migrated the application from Node.js 14 with Create React App (CRA) to Node.js 22 using Vite for improved performance and modern tooling. Implemented new functionalities to enhance the application's features and user experience.

Audit & Shipboard Application

12/2023 - Present

- Implemented all client requests across both Audit applications, with a primary focus on enhancing customer experience and improving service delivery.
- Provided ongoing support and bug fixes, resolving issues in ORACLE store procedures and java components to ensure system stability.

Marin time connect 360

11/2023 - 12/2023

- Successfully integrated Google authentication and contributed to integration of the BQS application.

Timesheet application

05/2023 - 10/2023

- Developed a robust timesheet functionality, enabling employees to log work hours for tasks and sub-tasks. Took a lead role in designing and implementing key parts of the project, ensuring successful delivery.

BQS(Bunker Quantity Survey)

10/2022 - 04/2023

- Deployed and maintained web and desktop applications. Developed the "ROB-on/off- certification" screen, implemented report generation using Stimulsoft, and resolved a critical AWS data-saving bug.

RRR(Revenue & Royalty Reporting)

08/2022 - 09/2022

- Implemented file upload functionalities for multiple formats (.xlsx, .csv, .json, .xml, .txt), resolved format-specific upload issues, and fixed Maven build process bugs.

SKILLS

- **Languages:** Java SE/EE, JavaScript, TypeScript, HTML, CSS
- **Frameworks & Libraries:** Spring, Spring Boot, Angular, AngularJS, ReactJS, JPA, Hibernate
- **Databases:** MySQL, SQL Server, ORACLE
- **Tools & Technologies:** REST APIs, JUnit, Maven, Postman, Git, Nginx, WildFly
- **Architecture:** Microservices
- **Version Control:** Git
- **Testing:** JUnit, Postman
- **Servers:** WildFly, Nginx

EDUCATION

Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal, India

Bachelor Of Engineering, Mechanical - 67.5

08/2015 - 05/2019