



Harshul Kumar

SENIOR SOFTWARE ENGINEER

Details

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NATIONALITY

Indian

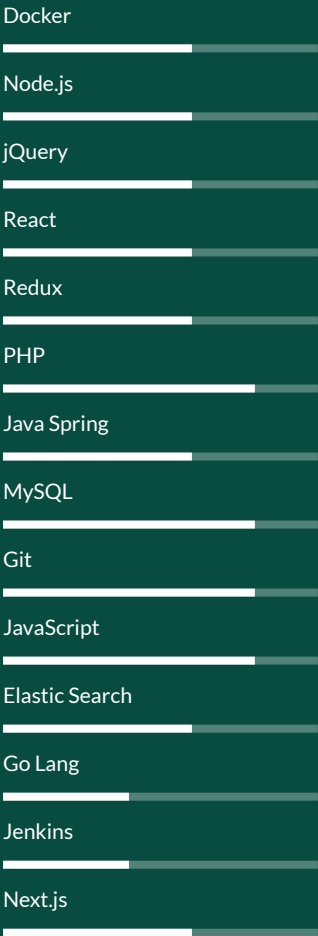
DATE OF BIRTH

15/07/1996

Links

[Portfolio](#)
[Linkedin](#)

Skills



Languages



Profile

Experienced Software Developer adept in bringing forth expertise in design, installation, testing and maintenance of software systems. Proficient in various platforms, languages, and embedded systems. Experienced with the latest cutting edge development tools and procedures. Able to effectively self-manage during independent projects, collaborated as part of a productive team as well as mentored/lead freshers.

Employment History

Software Development Engineer II, Editorialist, Gurugram

2023 – PRESENT

Software Development Engineer, Editorialist, Gurugram

JULY 2020 – JANUARY 2023

Education

Masters In Computer Applications, Dept. of Computer Science, Delhi

2017 – 2020

Bsc. Hons Computer Science, Deen Dayal Upadhayay College, Delhi University, Delhi

2014 – 2017

Internships

SDE Inter, Editorialist, Gurugram

JANUARY 2020 – JULY 2020

Responsible for contributing to coding, testing, and collaborative software development efforts within an agile team environment.

Project

Wild Oasis, Delhi

JANUARY 2024 – PRESENT

Project Overview

Wild Oasis is a comprehensive platform designed to facilitate cabin bookings for users seeking a tranquil getaway. The platform not only allows users to seamlessly book their stays but also provides internal admin users with the functionality to approve and manage these bookings, ensuring a streamlined and efficient process.

Key Features

- User-Friendly Booking Interface:** A user-facing layer that allows customers to browse, select, and book cabins effortlessly.
- Admin Approval System:** An internal admin interface that empowers administrators to review, approve, and process bookings, maintaining control and oversight over the reservation process.

Technology Stack

- Frontend Technologies:**
 - React:** Utilized for building the interactive and dynamic user interface, enhancing user experience through component-based architecture.
 - React Query:** Implements efficient data fetching and state management, ensuring a responsive and performant application.

2. Frameworks:

1. **Vite:** Employed for the internal admin layer, offering a fast and optimized development environment tailored for modern web applications.
2. **Next.js:** Powers the user-facing layer, providing server-side rendering and static site generation for improved performance and SEO.

3. Backend Technology:

1. **Java Spring Boot:** Serves as the backend layer, facilitating robust and scalable interactions with the database and handling business logic effectively.

4. Database:

1. **MySQL:** A reliable relational database used for data storage, ensuring data integrity and efficient retrieval.

5. System Architecture:

1. **User Layer:** Built with Next.js, this layer handles all user interactions, from browsing cabins to booking and payment processing. It ensures a smooth and engaging experience for end-users.
2. **Admin Layer:** Developed using the Vite framework, this internal interface is optimized for administrative tasks, providing tools for booking approvals and management.
3. **Backend Layer:** The Java Spring Boot application acts as the central hub for business logic, data processing, and communication between the frontend layers and the database.
4. **Database Layer:** MySQL stores all relevant data, including user information, booking details, and cabin availability, supporting the entire platform's operations with robust and efficient data management.

Editorialist DotCom, Gurugram

2020 – PRESENT

Diverse Contributions to a Comprehensive Web Development Project

Have been involved in a range of impactful initiatives, showcasing versatility and proficiency across various technologies. These endeavors, akin to small projects within the overarching development, highlighting the commitment to innovate and enhance the overall functionality of web ecosystem.

1. WordPress Customization and ElasticSearch Integration

1. Spearheaded the customization of WordPress, crafting new widgets and pages tailored for the editorial team.
2. Engineered a significant shift by replacing catalog support in MySQL with ElasticSearch, elevating the platform into a robust catalog data warehouse.
3. Technologies: PHP, WordPress, JavaScript, ElasticSearch.

2. Webpage Performance Enhancement for SEO

1. Undertook crucial optimization efforts to enhance core web vitals, directly impacting the website's Google ranking.
2. Applied performance tuning techniques to ensure optimal user experience and align with Google's ranking algorithms.

3. Spring Boot API for Dynamic Content

1. Leveraged Spring Boot in Java to develop APIs for dynamic content updates, including fetching trending page data from Google and automating section changes based on real-time insights.
2. Technologies: Java, Spring Boot, Google Analytics APIs.

4. Experimentation Framework Implementation

1. Pioneered the creation of a self-handled experimentation framework, facilitating both server-side and client-side experiments.
2. Enabled data-driven decision-making by assessing experiment performance, identifying trends, and drawing conclusive insights.
3. Technologies: Custom experimentation framework, Data Analysis.

5. Logging Infrastructure Enhancement

1. Contributed to the development of a comprehensive logging infrastructure, meticulously tracking user activities on webpages.
2. Successfully reduced the gap between events tracked by the logging infrastructure and Google Analytics, ensuring accurate data representation.
3. Technologies: In-house logging tool, GA integration.

6. Tech Stack Migration to Next.js

1. Successfully orchestrated the migration of specific pages from PHP WordPress to Next.js, improving overall performance and user experience.
2. Ensured seamless integration with existing components while embracing modern web development standards.
3. Technologies: Next.js, JavaScript.

Achievements

UGC NET Qualified

References

Yogesh Kumar from Editorialist

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