

PRINCE KUMAR

Full Stack Software Engineer

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SUMMARY

Full-Stack Software Engineer with 1.5+ years of experience in building high-performance and scalable web applications using the MERN stack. Adept in frontend (JavaScript, TypeScript, React) and backend (Node.js, PHP, Python, C++). Strong background in data structures, system design, and DevOps. Known for excellent problem-solving, collaboration, and communication skills.

EDUCATION

Jawahar Navodaya Vidhyalya , CBSE Degree in High School Percentage: 82%	Jhalawar,Rajasthan July 2019 - July 2021
Maa Bharti PG College Degree in Bachelor of Computer Application	Kota , Rajasthan July 2022 - Present

EXPERIENCE

Full Stack Developer Intern – BHARAT INTERN Remote | March 10, 2024 - April 10, 2024

- Successfully completed the virtual internship program focusing on Full Stack Web Development.
- Contributed to full-stack features using MERN, reducing page load time by 30%.
- Collaborated on API design and backend logic.

SKILLS

- Programming Languages:** JavaScript, C++, Java, Python, PHP
- Frontend Development:** React.js, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap, TypeScript
- Backend Development:** Node.js, Express.js, Laravel, Core PHP, RESTful APIs, Microservices
- Database Technologies:** MySQL, MongoDB, Redis, PostgreSQL
- Tools & DevOps:** Git, Docker, VS Code, Postman, Jenkins, Kubernetes
- Core Competencies:** Data Structures and Algorithms, System Design, Agile Methodologies, Version Control

PROJECTS

Stock Market Website Project (Freelance) | View Project (Laravel, Redis, Docker, Upstox API)

- Developed a high-performance real-time stock trading simulation platform using Upstox WebSocket API for live market feeds (F&O, MCX), increasing user engagement by 30% and enabling over 10,000 simulated trades per day.
- Executed Laravel queues and Redis for background processing of order matching and wallet updates, enhancing efficiency and scalability.
- Incorporated ApexCharts.js for interactive, dynamic charts to visualize live stock market data.
- Dockerized the entire application to streamline deployment, maintain environment isolation, and improve scalability.
- Leveraged Laravel's advanced features like Eloquent ORM and Blade templating for a clean, maintainable codebase.
- Designed and developed a leaderboard and portfolio tracking system with optimized sorting and indexing algorithms for fast performance.

Ludo Tournament System | View Project (Core PHP, MySQL)

- Designed and launched a real-time Ludo tournament platform that enabled over 5,000 active users to challenge each other, processed 3,000+ daily transactions, and implemented Firebase OTP login for secure user authentication.

- Applied Firebase OTP login for secure, hassle-free authentication, ensuring seamless user access.
- Developed admin controls for managing challenges, setting room codes, and tracking user wallet activities.
- Crafted backend logic for a dynamic leaderboard, wallet transactions, and anti-cheat mechanisms to ensure fair competition.
- Enabled date-based filtering and data exports for admin insights and analysis.
- Utilized Core PHP and MySQL for smooth database communication and fast transaction processing.

File Sharing Website | View Project

(MERN Stack + DSA)

- Engineered a file-sharing app supporting 20,000+ uploads with no login required.
- Implemented link, QR, and zip-sharing with encrypted file metadata for privacy.
- Used efficient data structures (HashMaps, Queues) in the backend for optimized access.
- Optimized upload/download times via compression techniques and asynchronous streams.
- Integrated toast notifications, responsive design, and download counters using React & Tailwind.

Fast2OTP API Integration | View Project

(PHP, REST API)

- Implemented Fast2SMS's Fast2OTP API, providing OTP-based authentication for over 50,000+ users, improving user security and reducing account breaches by 35%.
- Executed OTP generation, delivery, and verification with error handling and retry logic to ensure reliability.
- Designed reusable PHP functions and templates to simplify the integration of OTP features into real-world projects.
- Connected a secure webhook system to track and manage OTP delivery statuses, providing real-time updates to users.

CERTIFICATIONS

- Full Stack Web Development Using MERN - **PHYSICS WALLAH**
- C++ WITH DSA- FEB'24 - **PHYSICS WALLAH**

ACHIEVEMENTS

- Completed Full Stack Internship at Bharat Intern – March 2024
- Solved 500+ problems across LeetCode, HackerRank in DSA (JavaScript & C++)
- Ranked in top 10% globally in HackerRank C++ assessments
- Created unique MERN + DSA hybrid project (File Sharing App) to demonstrate algorithmic thinking