Prafulla Kumar

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Education

Bachelor of Technology in Computer Science   **2021-2025**
Oriental college of technology,Bhopal   *CGPA:7.78*

Skills

Languages : JavaScript, TypeScript, Java(core), HTML, CSS
Frameworks/Libraries : React, React Native, Next.js Tailwind, Express, Node.js, Redux, WebSocket(Socket.io), Shadcn, PWA, MongoDB Aggregation, Mongoose , AMP , Prisma , Swagger
Database : MongoDB , PostgreSQL
Tools : Docker, AWS(EC2, SES, SNS, S3, CloudFront, ASG(Auto Scaling Groups), Git, GitHub, Postman, CI/CD, Vite, Vitest, Jest

Experience

Zerror studios   **March 2025 – Present**
FullStack developer

– Developed a **Saas role-based CMS with MERN stack** to manage 10,000+ blog entries efficiently.
– Improved page load time by 60% using **Redis and CDN caching**.Enabled 99.9% reliable async processing with **messaging queues**.
– Scaled features via **microservices** architecture.
– Boosted organic traffic by 40% using SEO-optimized **Next.js** and **AMP pages** with infinite scroll.
– Write **unit** and **integration test** with for APIs.

Medorn Ventures Pvt. Ltd.   **June 2024 – March 2025**
FullStack developer

– Spearheaded **SaaS** based HRMS application creation with **MERN stack** and **React Native**, enhancing team productivity by 35 %.
– Built **microservices** and **multi-tenant architecture**, reducing downtime by 40%, and infrastructure costs by 30%.
– Integrated **AWS SES, AWS SNS,** and **2Factor services**, improving communication reliability by 20 %.
– Applied **MongoDB aggregation** and **transactions**, enhancing database performance by 25%.
– Established **CI/CD pipelines**, reducing deployment time by 40%.

Tech Incept   **Sept 2023 – May 2024**
Full-Stack Intern

– Developed and maintained **E-commerce**, **Loan Management CRM**, and **Lottery websites** platforms with MERN stack and **Next.js**.
– Incorporated **Google OAuth, Twilio**, and **Google Mail**, improving user authentication and communication by 25%.
– Ensured data integrity with **MongoDB transactions**, maintaining 99.9% consistency.
– Oversaw **server configurations** and deployments, leading to a 20% performance gain.
– Provided MERN stack training to **50+ students**, elevating their proficiency in full-stack technologies.

Projects

Shiksha Setu (MongoDB, Express.js, React, Node.js, Tailwind CSS, Docker) ⤢
– Built a **SaaS-based multi-tenant School ERP** using MERN stack and **hybrid MongoDB**, supporting 20+ clients with with 72K+ users till now.
– Created an **event-driven Node.js service class** for dynamic database routing.Delivered 10+ core modules with **secure role-based access**.
– Enabled **white-labeled deployments** via CI/CD and **containerization**.
– Improved email delivery reliability by 35% using **message queues**.

College 360 ⤢
– Built a full-stack web application with 4 user roles and implemented secure **role-based access** for **data entry and approvals**.
– Architected **advanced Mongoose schemas** and employed **AWS SDK Client** for image handling.
– Focused on backend development, ensuring efficient **data handling** and seamless **API integration**.

Extracurricular Activities

• Solved **300+ Problems** platforms like LeetCode, HackerRank, and GFG.
• Second runner in inter-college coding compitation.