

Apurv Patel

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Experience

Tata Consultancy Services

Systems Engineer

Aug 2024 - Ongoing

- Collaborated on a client project to optimize ERP solutions using Oracle E-Business Suite (EBS).
- Customized Oracle eBS forms utilizing Oracle Forms Builder and PL/SQL to implement complex business logic and validations.

Fluxbyte Technologies

Software Developer Intern

Jan 2024 - May 2024

- Revamped module loading strategy with lazy loading in AngularJS, reducing initial bundle size by 36% and accelerating Time to First Byte (TTFB) by 22%.
- Designed and optimized database schemas with Prisma ORM, streamlining data structures to reduce storage redundancy by 15% and improve query performance.
- Orchestrated backend code optimization efforts, reducing redundant logic, analyzed and resolved intricate algorithmic challenges and enhancing request processing efficiency by 21%, leading to faster API responses.
- Launched CI/CD pipelines with AWS CodePipeline, streamlining the deployment process to reduce release cycle times by 52% and ensuring error-free rollouts.

ProjectCafe Technologies

Frontend Intern

May 2023 - Jul 2023

- Developed state management solutions using Redux, streamlining data flow across the application and reducing state-related bugs by 38%.
 - Revamped frontend performance by minimizing bundle size with code-splitting and lazy loading, achieving a 23% faster initial page load time.
 - Implemented intuitive user interfaces based on Figma designs, boosting user satisfaction scores by 20%.
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Projects

Portfolio website 🌐

- Design and build a responsive portfolio website using Next.js, TypeScript, Tailwind CSS, and Framer Motion.
- Created an eye-catching portfolio with real-time data rendering and captivating animations.
- Received positive feedback for the website's design, performance, and user experience.

DNS Server

- Engineered a custom DNS server from scratch, implementing recursive and iterative query resolution to ensure fast and accurate domain name lookups.
- Optimized DNS query handling algorithms, reducing response time by 30% and improving overall server efficiency.
- Implemented caching mechanisms for frequently queried domains, decreasing DNS lookup latency by 40% and enhancing performance under high traffic.

More projects in GitHub/Portfolio.

Skills

Programming	Java, HTML, CSS, JavaScript, TypeScript
Framework	React.js, Next.js, Angular, Express.js, Node.js, Tailwind CSS, Redux
VCS	Git, GitHub
Database	MySQL, PostgreSQL, PL/SQL, Prisma ORM

Contributions and Achievements

- Resolved over 500+ data structure and algorithm challenges on platforms such as LeetCode, GFG and HackerRank, leading to enhanced proficiency in computational logic that improved coding efficiency during project sprints.
 - Spearheaded the Logistics and Cost Control crew of six as part of the cultural team, successfully managing operations and reducing costs by almost 30%, ensuring event success.
 - Represented my school in the regional-level chess championship during secondary school, cultivating strategic thinking and discipline through competitive gameplay.
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Education

Indian Institute of Information Technology, Vadodara

Bachelor of Technology (Computer Science and Engineering) | CPI - 7.57

2020 - 2024