Pratik Kumar

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Skills

Languages / Web Technologies: C, C++, JavaScript, TypeScript, HTML, CSS

Frameworks / Libraries: React.js, Next.js, Node.js, Express.js, WebRTC, Jest Unit Testing

Databases / Tools: MongoDB, MySQL, PostgreSQL, Docker, Web Scraping & Automation

Cloud & Certifications: AWS Certified Cloud Practitioner

Experience

Associate Software Developer — *Bangalore, India*
Innover Digital — *May 2024 – present*

- Engineered a secure, scalable Resource and Timesheet Management System using React, Node.js, Azure Functions, and MySQL, integrating JWT, OAuth 2.0, RBAC, and automated workflows for seamless access.
- Delivered a high-performance, responsive UI powered by Redux for managing timesheets, employee/project data, and calendar-based resource allocation. Enabled bulk operations and performed Jest unit testing for code accuracy—enhancing team scalability and operational efficiency.
- Optimized resource planning for 1,000+ employees across 50+ projects, reducing manual effort by 60% and cutting operational costs by 65% through containerized Docker deployments and real-time tracking.

Software Development Trainee — *Gurgaon, India*
Repup — *May 2023 – July 2023*

- Led a web scraping project using JavaScript and Puppeteer, extracting over 15,000+ reviews and 1000+ company details from Glassdoor and AmbitionBox, reducing manual data entry by 30 hours monthly
- Designed a user-friendly interface that aggregated ratings and reviews from five top travel-booking platforms, increasing user engagement by 25% and enabling informed decision-making for over 5,000 monthly users.
- Led the development of a performance analytics dashboard for Tanishq using React.js, enabling real-time tracking and visualization of employee's and outlet performance across multiple locations.

Personal Projects

Lancer.com — *github/Lancer.com* ↗

- Forged full-stack freelance platform utilizing React.js, RESTful APIs, MongoDB, and Stripe, facilitating connections between 100+ professionals and clients with intuitive interface, boosting engagement by 30%.
- Solved client-freelancer matching inefficiencies by creating centralized platform with secure payments—resulting in 45% operational efficiency, 35% higher project completion, and 25% enhanced transactions.

VideoForge — *github/VideoForge* ↗

- Spearheaded development with Next.js, TypeScript, RESTful APIs, Bunny CDN, implementing OAuth 2.0 authentication, PostgreSQL database architecture.
- Developed a secure screen recording module using WebRTC, which led to 40% faster video processing through optimized stream encoding, enhancing user experience and reducing server bandwidth consumption with end-to-end encryption.

Education

Kalinga Institute of Industrial Technology, Bhubaneswar, India — *Aug 2020 – Sept 2024*
Bachelor of Technology in Computer Science

- CGPA: 8.65/10.00

Krishna Public School, Patna, Bihar — *June 2019*
Intermediate (XIIth)

- Percentage: 79%