NAMAN DEEP SINGH

+91-9893217208 | namand272@gmail.com | [Portfolio](#) | [Linkedin](#) | Indore, India

SUMMARY

With 3+ years of experience in JavaScript, React, and Node.js, I've built browser extensions using Shadow DOM for CSS isolation, developed a canvas-based thumbnail editor, and migrated a PHP PDF processing engine to Go for better performance. My full-stack expertise allows me to create efficient, scalable solutions across the stack.

WORK EXPERIENCE

Senior Software Engineer
Cyber Infrastructures (Indore, India)
Jan 2022 - Present

TubeSpanner Browser Extension (JavaScript, React, Redux, Browser Extension APIs)

- Modernized a vanilla JavaScript browser extension by migrating to React and Redux, improving state management and reducing crash rates by 95%.
- Enabled offline functionality using the Chrome Storage API and extended cross-browser support (Chromium, Firefox, Safari) through optimized Webpack configuration.
- Resolved styling conflicts across 150+ websites by implementing Shadow DOM for 25+ UI components and building a React Portal system for dynamic component rendering.
- Mentored two junior developers in creating performant React hooks and leveraging mutation observers, improving overall code maintainability.

TubeSpanner Thumbnail Editor (React, Fabric JS, Redux)

- Re-engineered a legacy 33K-line vanilla JavaScript editor using React and Fabric.js, reducing bugs by 40% and thumbnail generation time by 25%.
- Introduced AI-powered features—including auto-cropping and text-to-background generation—and drag-and-drop templates, boosting user engagement by 20%.
- Expanded editing capabilities with custom tools (e.g., SVG brushes, layer management) and modular React components, accelerating feature development by 30%.

PDF Processing Engine (GO / Node / Python, gRPC, MongoDB)

- Developed a Go-based PDF processing service leveraging the iLovePDF API, achieving a 70% reduction in file size.
- Built a Python service to convert PDFs into interactive HTML using AI, enhancing content accessibility.
- Engineered a concurrent Go processor to transform PDFs into web-optimized XOD format, automating workflows via FTP and cron jobs.

EDUCATION

Bachelor of Science in Computer Science
Shri Vaishnav Institute of Information Technology, Indore
Aug 2018 - Aug 2022

SKILLS

Web Technologies	HTML5, CSS3.
Programming Languages	JavaScript, Golang.
Frameworks	React.js, Redux.js, Next.js, Tailwind CSS, MUI, Bootstrap.
Databases	MySQL, MongoDB.
Backend	Node.js, Firebase, REST APIs, Microservices.
Tools	Git, JIRA, Postman, Swagger, Docker, Webpack, Rollup, Vite.

CERTIFICATES

Advanced SQL (codechef) *May 2023*
Advanced JavaScript (codechef)