

NAMAN DEEP SINGH

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SUMMARY

Full-stack developer focused on clean architecture and real-world impact. I modernize legacy frontends into React apps, design backend systems in Go and Node, and create tools to enhance developer efficiency. I enjoy solving diverse problems across the stack with sustainable code.

WORK EXPERIENCE

Full-Stack Developer | Infosys (Client: Bank of America) Nov 2025 – Present

- Migrated a legacy banking app from jQuery/vanilla JS to modular React.
- Improved the Java Spring Boot backend with new REST APIs, enhancing responsiveness by 15%.
- Implemented a phased migration strategy to ensure no disruption to live banking operations.
- Established modern tooling (Webpack, Babel) and a UI component library for better maintainability.

TypeScript Microservices SDK (NPM SDK) Jan 2024 - Present

- Developed monorepo of 6 npm packages for Node.js/microservices development.
- Enforced architecture patterns including barrel exports and dual ESM/CJS builds.
- Integrated Biome for formatting and strict import/export rules.
- Packages reduce boilerplate and accelerate production service development.

PDF Processing Engine (Go, Node, Python, gRPC, MongoDB) Feb 2025 - Oct 2025

- Built a Go service using iLovePDF API, reducing file size by 70%.
- Created a Python service to convert PDFs into interactive HTML using AI for better accessibility.
- Engineered a concurrent Go processor to transform PDFs into XOD format, automating workflows via FTP/cron.

TubeSpanner Browser Extension (JS, React, RxJS, webpack) Jan 2024 - Jan 2025

- Migrated vanilla JS browser extension to React & Redux architecture.
- Reduced crash rates by 95% and added offline Chrome Storage support.
- Eliminated CSS conflicts across 150+ sites using Shadow DOM & Portals.
- Mentored two junior developers in React hooks and mutation observers.

TubeSpanner Thumbnail Editor (React, Fabric JS, RXJS, webpack) Jan 2022 - Dec 2023

- Rebuilt 33K-line vanilla JavaScript editor with React & Fabric.js
- Reduced bugs by 40% and cut thumbnail generation time by 25%
- Launched AI features like auto-crop and text-to-background generation
- Built custom SVG brushes, layer tools, and modular React components

Technical Skills

- **Web Technologies:** HTML5, CSS3.
- **Programming:** JavaScript, TypeScript, Go, Python, Java.
- **Frameworks:** React, Redux, Next.js, Tailwind CSS, MUI, Bootstrap, Express, Spring Boot
- **Databases:** MySQL, MongoDB.
- **Backend:** Node.js, Firebase, REST APIs, Microservices, gRPC.
- **Tools:** Git, JIRA, Postman, Swagger, Docker, Webpack, Rollup, Vite, Biome, npm, pnpm.

Education

Bachelor of Science in Computer Science

Jul 2018 - Jul 2022

Shri Vaishnav Institute of Information Technology, Indore

Certifications

- Advanced SQL (CodeChef)
- Advanced JavaScript (CodeChef)
- Node.js Microservices (Infosys Lex)