

Yash Aggarwal, Software Developer

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Work Experience

Software Engineer, Infosys

September 2023 – Present | Remote, US

- Achieved an 80% increase in site speed and performance by migrating the legacy site to Angular 15, enhancing user satisfaction and operational efficiency.
- Deployed microservices architecture using Java and Spring Boot, resulting in a 50% improvement in system efficiency and a 20% reduction in server costs.
- Developed scalable web applications, achieving a 25% improvement in performance using React.js, Next.js, and headless CMS solutions.
- Led frontend architecture initiatives, reducing code duplication by 60% through component-based design and state management with Redux, Recoil, and Zustand.
- Led the design and implementation of new features, APIs, and Proof of Concepts, resulting in a 30% increase in user engagement and a more competitive product offering.
- Implemented CI/CD pipelines with Jenkins, resulting in 50% faster build and deployment times, accelerating development, and reducing time to market.

Software Development Engineer, Compro Technologies

July 2019 - July 2022 | Delhi, India

- Led the successful coordination and delivery of crucial components within timelines in a remote agile environment, adding features improving app scalability and efficiency while accommodating over 80k concurrent global users worldwide.
- Delivered audio/video players, customized PDF viewer, annotations, note-making, and masking features to boost user engagement by 70%, resulting in positive feedback from 97% of users.
- Ported web application to a desktop application, implementing offline mode, resulting in a 60% increase in user productivity by enabling offline work and data synchronization when online.
- Designed and Launched robust combinations of REST/SOAP APIs and GraphQL using NodeJs, enabling seamless data exchange between frontend and backend components.
- Tailored training plans for new team members, leading to a 50% improvement in overall team performance and successful alignment with company goals.

Projects

[FinTracker](#) - Next | Hono | Clerk | PostgreSQL | Tailwind | Drizzle | Zustand

February 2023 - May 2024

- Developed a Budget Tracker and Financial Manager App to help manage users' finances. The app allows users to track expenses and generate reports.

[DiscordClone](#) - Next | Clerk | MySQL | Tailwind | Prisma | Zustand

November 2023 - April 2024

- Engineered a Discord-style app with user authentication, messaging, servers and channels, and audio/video calls with more than 200 concurrent users.

[SpotifyClone](#) - Next | NextAuth | PostgreSQL | Tailwind | Prisma | Zustand

January 2024 - March 2024

- Devised and implemented a feature-rich web platform emulating Spotify's core functions, such as seamless music streaming, personalized playlist formation, and song uploading and downloading.

Education

Master's of Science in Computer Science

September 2022 - December 2023

- University Of California, Riverside | Riverside, California, USA

Bachelor of Technology in Information Technology

August 2015 - July 2019

- Maharaja Agrasen Institute of Technology | New Delhi, Delhi, India

Skills

- **Web Technologies & Framework:** HTML, CSS, SCSS, TailwindCSS, Javascript, Typescript, Websockets, Angular 2+, ReactJs, Redux, Recoil, NextJs, NodeJs, ExpressJs, Prisma ORM, ElectronJs
- **Tools and Platforms:** Git, GitHub, Visual Studio Code, JIRA, Jenkins, Travis CI, Jupyter, Render, Vercel, AWS, Azure, GCP, Kubernetes, Redis
- **Databases and Providers:** SQL, MYSQL, PostgreSQL, NOSQL, MongoDB, CouchDB, RxDB, GraphQL, Firebase