

PRANJAL GOYAL

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EXPERIENCE

Full Stack Engineer

SourcingXpress

Jan 2024 - Present

- Designed and implemented API versioning strategies, ensuring backward compatibility and minimizing the impact on existing clients.
- Optimized web applications for maximum speed and scalability, improving overall performance. Pioneered the creation of reusable code and libraries, reducing development time by 15% and enabling more efficient future project execution.
- Made use of Azure serverless technology to deploy scalable NodeJS ExpressJs services.

Backend Engineer

Circlone

Aug 2023 - Dec 2023

- Designed, developed and maintained highly scalable backend systems using Node.js from scratch and implemented containerization using Docker.
- Created scalable API architectures using serverless technologies, such as Azure.
- Implemented security measures to protect against potential cyber attacks and unauthorized access.
- Worked closely with the front-end team to ensure seamless integration of backend services with the user interface.

Software Engineering Intern

CodeClause

June 2023 - August 2023

- Converted Figma designs into pixel-perfect web code using component libraries such as Material UI and TailwindCSS.
- Troubleshoot existing JavaScript and UI/CSS issues and optimized the web application, achieving a 40% improvement in load times and a 25% increase in performance scores.

Frontend Engineer Intern

Shipsy

May 2022 - July 2022

- Developed features and experiences for a large-scale, cross-browser application accessible on both mobile and desktop platforms, utilizing ReactJS, ThreeJS, and GSAP.
- Implemented the logic of accepting payments through Stripe API and React Hooks.
- Tailored a real-time chat functionality using web sockets, enriching the app's interactivity and user experience.
- Secured application routes with JWT for seamless user authentication, bolstering data protection and user privacy.

PROJECTS

Nimbus NITH

- Developed a Web Application to send out 1,00,000 emails efficiently using Amazon Simple Email Service and SMS using Twilio to the registered candidates during fest days.
- Utilized Framer Motion and GSAP for creating smooth UI animations and effects, three.js for 3-D model rendering improving the overall app aesthetics and engagement.
- Designed and implemented a database schema using PostgreSQL on top of Prisma ORM, ensuring efficient data storage and retrieval using React Query at the frontend.
- Implemented RESTful APIs using Node.js and Express, ensuring efficient communication between the application and backend server.

Coding Classroom

- A full-stack application facilitating real-time code collaboration. Users can join rooms, each equipped with a code editor
- Utilised Socket.IO for room creation and real-time editor interaction, React.js for the frontend, Node.js with Express ensuring cross-platform compatibility and seamless integration the backend socket server.
- Implemented Codemirror to create an interactive and collaborative coding platform, allowing multiple users to code together in real-time through the integrated sockets.
- Designed custom rooms for enhanced user experience and privacy with the help of UUID.

SKILLS

Development

NodeJS ExpressJS ReactJS NextJS
ReduxJS HTML YAML JWT Bootstrap
Vite Tailwind CSS CSS/SAAS NPM

Programming Languages

C++ TypeScript JavaScript (ES6) Python

Development Tools - DB SQLite

SQL PostgreSQL SQLite MongoDB Atlas

Operating Systems

macOS X Linux

Other Technologies

Azure Web Sockets Firebase RTC Docker
Git Github OAuth Jest REST GraphQL

EDUCATION

B.Tech in Electronics and Communication Engineering

National Institute of Technology, Hamirpur

July 2020 - May 2024

Grade Point - 7.61

12th standard

DPS, Dalhousie

April 2013 - March 2019

Percentage CBSE - 95.2

ACHIEVEMENTS

- Runner-Up in GitHub SPEC Hackathon 2022.
- Postman Student Expert for RESTful API testing and development.
- Active contributor to Hacktoberfest 2021, 2022, and 2023, annually organized by GitHub.
- Active contributor to SQLance Open-source project.
- Secured a rank of 3 out of 50+ teams in SPEC MLH Hackathon, a Coding Competition organized by SPEC NITH in partnership with MLH.
- Web Secretary of college annual website built on top of MERN stack for both technical and cultural fest.

POSITIONS OF RESPONSIBILITIES

- Web Secretary at Fest Nimbus NITH, responsible for managing tasks related to website design, development, and deployment.
- Vice-President of the core team responsible for the commencement of the annual cultural fest Hill'ffair 2023 NITH.
- Volunteered in organizing the Webshop as part of Team.EXE, the Technical Fest of NIT Hamirpur.