Sandeepan Mazumdar

Software Engineer

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Summary

Results-driven Software Engineer with 3.5+ years of experience in developing and maintaining complex software solutions. Proficient in frontend development and DevOps Practices. Adept at collaborating in agile environments to deliver high-quality software products

Experience

Tata Consultancy Services   November 2021 - Present
System Engineer   Kolkata

1. Developed and maintained scalable web applications using React.js, enhancing user experience and performance.
2. Led a development team of 3 members for a major feature in a React-based application, resulting in a 20% increase in user engagement.
3. Integrated RESTful APIs and third-party libraries to enhance functionality, streamline operations, and improve overall application performance.
4. Implemented responsive design principles and ensured cross-browser compatibility, improving accessibility and user experience across various devices.
5. Utilized version control systems like Git and Bitbucket for efficient code management and collaboration.
6. Conducted code reviews and provided constructive feedback to team members, ensuring code quality and adherence to best practices.
7. Collaborated with UX/UI designers to translate design mockups into functional, high-quality code.
8. Optimized web applications for maximum speed and scalability, reducing load times by up to 30%.
9. Developed and maintained component libraries and reusable code modules to streamline development processes.
10. Wrote unit and integration tests using testing frameworks like Jest and React-testing-library to ensure code reliability and robustness.

Amazon Development Center India   October 2020-November 2021
Tron Associate   Hyderabad

1. Supervised and provided control for automated tasks at global fulfilment centres as a data associate for Amazon Robotics.
2. Analyzed and detected exceptions with an accuracy of 99.97% and very high speed (takt time of less than 5 seconds thus understanding performance metrics to drive better business results.

Education

Future Institute of Technology   2016-2020
Electronics and Communication Engineering.   Bachelor of Technology
7.91/10 CGPA

Kendriya Vidyalaya Ballygunge   2015-2016
Science   Higher Secondary
89.2%

Kendriya Vidyalaya Ballygunge   March 2013-2014
Science, Social Studies, English,Maths   Secondary Examination
10 / 10 CGPA

Projects

YouTube-Clone

1. Similar to YouTube, the website boasts high performance & responsiveness, handling over 500 API requests daily.
2. Infinite Scrolling for a seamless UX, along with high-performance autocomplete search suggestions using debouncing and LRU Cache.
3. Integrated a Live Chat feature utilizing API Polling, and supports n-level nested comments through recursive implementation

Tech Stack: React, Context API, Tailwind, Vite, Rapid API

Netflix-GPT
🔗 https://netflix-ten-theta.vercel.app/

1.Dedicated to exploring Movies and TV Shows, fully responsive and using

reusable components for enhanced efficiency.

2.Used lazy loading for seamless image loading, skeleton loading to

enhance UX, and filtering and sorting functionalities for the explore

Tailwind CSS, Firebase Authentication, TMDB API, Open AI API, Responsive Webapp, React.js

Skills

Programming Skill
● ● ● ● ●

C++, JavaScript, CSS, HTML

Libraries & Frameworks
● ● ● ● ●

ReactJS, TypeScript, Redux, Tailwind, Shadcn, Material UI, Bootstrap

Tools & Platforms
● ● ● ● ●

Git, GitHub, Vercel, Appwrite, Firebase, Figma, VS Code, Bitbucket, JIRA, Confluence