

# CYRUS SHRESTHA

## ASSOCIATE SOFTWARE ENGINEER

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## PROFESSIONAL SUMMARY

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Versatile Full Stack Developer with comprehensive experience in designing and implementing both frontend and backend solutions. Passionate about creating seamless, user-friendly applications, I possess a solid foundation in modern web technologies and frameworks. I am dedicated to continuous learning and improvement, enabling me to tackle complex challenges and deliver high-quality, scalable applications. Committed to enhancing user experiences through innovative solutions, I thrive in dynamic environments that foster creativity and collaboration.

## WORK EXPERIENCE

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### Innovate Tech | Associate Software Engineer

Nov 2022 - Current

- Conducted in-depth codebase and application studies to understand system architecture and design patterns.
- Collaborated with senior developers to enhance understanding of codebase, technologies, and project objectives.
- Analyzed and interpreted design and feature requirements to ensure seamless implementation.
- Translated design requirements into fully functional user interfaces, ensuring alignment with UI/UX guidelines.
- Integrated REST APIs into the frontend, ensuring smooth interaction between client and server components.
- Performed comprehensive feature testing to identify and resolve issues before production releases.
- Delivered timely bug fixes, addressing critical issues and improving system stability.
- Optimized existing code for better performance and maintainability, enhancing overall efficiency.
- **Chat Application Development**
  - **Technology Stack:** Worked with a mix of modern technologies such as React for the frontend, Node.js for backend services, GraphQL for API communication, and Socket.io for real-time communication, ensuring a seamless user experience.

- **API Integration:** Integrated GraphQL APIs into the frontend, enabling real-time message exchange, notifications, and dynamic data updates without page reloads.
- **Real-time Features:** Implemented real-time features such as friend requests, messages, roles, creating communities, notification using socket protocols, ensuring efficient and low-latency communication between users.
- **UI/UX Design Implementation:** Developed intuitive and user-friendly interfaces, ensuring responsive design across devices. Focused on optimizing performance and improving user experience, especially for handling large chat histories and media content.
- **State Management:** Managed complex application state using technologies like Zustand to maintain real-time data synchronization across components.
- **Challenges Overcome:** Optimized large chat list performance with lazy loading and infinite scrolling, resolved real-time sync issues, and enhanced resilience by handling network failures and retries.
- **Cross-team Collaboration:** Worked closely with backend developers to refine API requirements and with designers to translate design specifications into functional and visually appealing components.
- **Code Optimization:** Regularly reviewed and refactored code to optimize performance, reduce redundancy, improve maintainability, gaining deeper insights into best practices and efficient coding patterns.

## **Trainee | Innovate Tech**

**AUG 2022 - NOV 2022**

- Developed dynamic user interfaces using React, Redux, and Saga, efficiently managing application state.
- Proficient in Git for version control and team collaboration on source code management.
- Gained experience in TypeScript, writing scalable and maintainable code for enhanced development efficiency

## **Intern | Agi Infotech**

**OCT 2021 – MAR 2022**

- Learned HTML, CSS, and JavaScript to create visually appealing and interactive websites.
- Developed dynamic, responsive web pages using React.js, leveraging its component-based architecture.
- Gained experience in designing and implementing databases with MongoDB.
- Built RESTful APIs and web applications using Express.js, a popular Node.js framework.

## SKILLS

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- **Frontend Development:** React.js, HTML, CSS, JavaScript
- **State Management:** Redux, Redux-Saga, Redux Toolkit Query, Zu stand , React Query
- **Backend Development:** Node.js, Express.js
- **Database:** MongoDB, SQL
- **Programming Languages:** TypeScript, JavaScript, Python, Java
- **Version Control:** Git
- **APIs:** REST, GraphQL
- **Real-time Communication:** Socket.io
- **UI/UX:** Responsive Design, Performance Optimization

## EDUCATION

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**Shahid Dharma Bhakta School** **2016**

School Leaving Certificate

**D.A.V.S.K.V.B. Higher Secondary School** **2016 - 2018**

Intermediate (10+2)

**Islington College** **2019 - 2022**

B.Sc. (Hons) in Computing

## ACTIVITIES

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- Volunteered in lots of events as a member of Nepal Scout
- Participated in software Fellowship 2021 at LOCUS 2021
- Learning React, JavaScript, Mongo Db through Linked learning

## REFERENCES

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References available upon request