

Parth Sharma

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EDUCATION

Bachelor of Science in Computer Science

Aug. 2023

California State University, Fullerton

TECHNICAL SKILLS

Languages: C/C++, Java, Python, .NET, R, SQL, Swift, HTML/CSS, PHP, JavaScript, JSON,

Frameworks: MERN stack, Docker, Snowflake, Firebase, Bootstrap5, FastAPI, Foreman, SQLite3, Redis, QtCreator

Tools/Technologies: TCP/IP, Postman, React, REST API, Agile, Git/GitHub, RStudio, Trello, Jira/Confluence

EXPERIENCE

Software Engineering Intern | Life Stages

Mar. 2024 – Present

- Designed a **backend** architecture using **Node.js** and Express that improved data retrieval speed by 40%, reducing query response time for designated API endpoints
- Engineered comprehensive APIs for the Align web app to manage privacy settings, user creation, and activity tracking; leveraged **Firebase** for real-time data synchronization, resulting in a 25% boost in user engagement
- Conducted thorough testing of back-end components using **Postman**, including unit tests and integration tests, to ensure reliability and stability

Web Developer | California State University, Fullerton

Dec. 2020 – Aug. 2023

- Maintained the day-to-day technical operations for the department website of the Academic Advisement Center for the campus population of over **40,000** students using **HTML5, CSS3, and JavaScript** to create visually appealing and user-friendly interfaces resulting in **44%** increase in user engagement
- Revamped and redesigned the entire front-end to meet the newly updated design structure of the university, while also restructuring the database using Node.js reducing data processing time by 40%
- Researched, evaluated, and enforced web standards for usability and accessibility for the website as per university standards while also helping advisors with over **5** weekly request to update site for on demand university events

Associate Software Engineering | Tripcon Engineering, Remote, India

Aug. 2019 – Feb. 2021

- Devised back-end services for corporate website and e-commerce operations, increasing site uptime by 25% and reducing cart abandonment rate by 15%, thereby boosting online sales by 30% over six months.
- Produced 10+ **RESTful APIs** using **Java** and **Spring Boot** framework, to facilitate seamless communication between front-end and back-end systems, incorporating JPA for data persistence.
- Utilized **Spring MVC** framework to implement server-side components for the company's web systems, ensuring efficient request handling and data processing.

PROJECTS

Orange County WiFi locator

June 2024

- Launched a Full-Stack Web Application for locating over 100+ free Wi-Fi Hotspots in Orange County, California by making a responsive web interface using **HTML, CSS, and JavaScript** to allow users to find and view free Wi-Fi hotspots on a map by entering their ZIP code
- Deployed **RESTful APIs** to handle data retrieval and filtering from a Firestore database, ensuring efficient and scalable access to Wi-Fi hotspot information.
- Integrated **Firebase** for data storage and retrieval, ensuring real-time data updates and seamless backend management.

Netflix clone

May 2024

- Created a Netflix clone application using **React** and **TypeScript**, leveraging Firebase for authentication and data handling, and Styled-Components for cohesive UI design.
- Added key features such as muting and unmuting trailers, fetching over 50 movie information from TMDB Movie API, and allowing users to save movies to a personal watch list, enhancing the overall user experience.
- Deployed Application on **Vercel** for Global Accessibility by ensuring cross-origin resource sharing (CORS) compliance to allow smooth interaction between frontend and backend across different domains.