

San Jose, CA

bhattarraahul30@gmail.com

Software Engineer | Full-Stack Developer

Education

University Of Dayton, Dayton OH

Master of Science in Computer Science and Engineering

Aug. 2021 - Aug. 2023

GPA- 3.6/4.0

Relevant Coursework: Data Base Management System, Data Visualization, Algorithm Design, Operating Systems, Deep Learning.

Gurunak University, Hyderabad, India

Bachelor of Technology in Computer Science and Engineering

Jun. 2012 - May 2016

Work Experience

React Developer | Deloitte – Santa Fe, NM

Jun. 2024 – April 2025

- Designed and developed reusable React components for the ASPEN Plus Modernization Project, improving code reusability by 30% and reducing development time for new modules by 20%.
- Optimized front-end performance with Redux, reducing client-side latency by 25% and improving the user experience for 250,000+ monthly users of the modernized ASPEN Plus system.
- Enhanced API performance with middleware, reducing processing times by 15% and improving scalability for growing user demand.
- Modernized ASPEN Plus with Node.js and Express.js by designing scalable RESTful APIs, optimizing middleware for secure authentication, and implementing efficient routing. These improvements streamlined state benefits processing, reducing application processing time by 30%.

Software Engineer | Johnson and Johnson - Raritan, NJ

Aug. 2022 – May. 2023

- As a key member of the UI team, I specialize in managing front-end frameworks such as React.js, JavaScript, HTML, and CSS. My contributions to the 'TRANSMART APP,' a Translation Engine, have driven a 30% improvement in user efficiency.
- Designed and implemented over 15 RESTful API endpoints to handle translation requests, efficiently routing incoming tasks to appropriate handlers, resulting in a 25% improvement in request processing time.
- Implemented user authentication and authorization systems in Node.js and Express.js for a translation platform, ensuring secure access to translation requests and user data. Enhanced platform security for over 10,000 users, achieving a 40% reduction in unauthorized access incidents.

Software Engineer | IVY Comptech Pvt Ltd - Hyderabad, India

July. 2019 – July. 2021

- Designed and developed dynamic and interactive gaming web pages using React.js, HTML5, CSS3, JavaScript, and SASS, ensuring seamless gameplay experiences across devices.
- Developed Single Page Applications (SPA) for gaming platforms using React.js and React-Router, reducing navigation latency by 25% and enhancing player engagement.
- Implemented RESTful APIs with Node.js and Express.js to manage real-time game data, player stats, and leaderboards, achieving a 35% improvement in server response times.
- Optimized state management using Redux and Middleware, enabling smooth transitions and real-time updates for multiplayer gaming, improving responsiveness by 20%.

Associate Engineer | Accenture - Hyderabad, India

Mar. 2018 – Mar. 2019

- Developed mobile services and applications using React.js, enhancing user interactions and boosting user engagement by 25%.
- Implemented a modular, component-based architecture in React.js, improving code reusability and reducing development time for new features by 30%.
- Built a Sync-client using JavaScript (ES6+) to manage real-time synchronization between the server and app, ensuring seamless data consistency.
- Integrated local data storage solutions, including Shared Preferences, SQLite, and the file system, leading to a 35% improvement in offline functionality and user experience.

Jr. Software Engineer | Aarian Intasel Service Pvt Ltd - Hyderabad, India

Sep. 2016 – Nov. 2017

- Designed UI web pages and templates using HTML and CSS, resulting in a 25% improvement in overall application aesthetics.
- Leveraged strong JavaScript skills to implement robust and scalable code for both front-end and back-end development tasks.
- Wrote SQL Queries and Stored Procedures for database interactions, optimizing data retrieval by 25%.

TransSMART Application | React, Redux, ExpressJs.

May. 2023

- Developed TransSMART, an internal language translation tool at J&J, using React, Redux, and Express. Handled 50,000+ translation requests daily with <200ms response time, supported by a robust backend and a 100,000+ record database, ensuring seamless multilingual communication.

Snow Globe, Casino, Coin-Flip | React, Node, JS, Animations.

Jun. 2019

- Leveraging React capabilities, I built promotional applications like Snow Globe and Casino, driving 20% higher user engagement and supporting 75,000+ monthly active users. These applications were optimized for performance, achieving load times under 1 second, and featured dynamic, interactive user experiences.

HealthCare Monitoring System | JS, Android development, jQuery, SQL.

Sep. 2016

- Developed a mobile healthcare monitoring system for NHS, leveraging JavaScript to deliver real-time patient data tracking and improving performance by 30%. Optimized the app's functionality with modular components, reducing feature development time by 25%.

Technical Skills

Programming Languages:	JavaScript, Typescript, Python, Java.
Frameworks:	ReactJS, VUEJS, Express JS, Ionic.
Backend:	Node JS, Restful Api's, JSON, GraphQL.
Databases:	MongoDB, MySQL, Oracle.
Programming Languages:	Python (Pandas, NumPy, Matplotlib), R (for statistical analysis).
Tools:	VS code, Eclipse, MongoDB Compass, MYSQL, DBeaver.

Achievements

- Built the front end for the "TRANSMART" translation engine using React, enhancing user experience and significantly improving the responsiveness and interactivity of the application.
- Developed a mobile healthcare monitoring system for NHS using JavaScript and Android, streamlining real-time data processing and enabling seamless synchronization of patient information across devices.