Yudhajit Chowdhury

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SKILLS

HTML5/CSS3 | JavaScript | ReactJS | Redux | JWT | Passport.JS | Rest API | Web Sockets | Bootstrap | Tailwind CSS | Node.JS | ExpressJS | MongoDB | Redis | SQL | NoSQL | Jest | ViTest | Mock Service Worker (API Testing) | Postman | Git | JIRA | AWS EC2 | Docker Containerization | Webpack

EXPERIENCE

Accenture Solutions Pvt. Ltd.   Pune, Maharashtra
Software Engineering Analyst (Full Stack Developer)   *11/2021 - Present*

- Designed and maintained scalable web apps with **React.js** ,**Node.JS (Express.js)** and **MongoDB**, increasing user **involvement by 18%** and **page load speed by 25% with the help of React Router**.
- Implemented and consumed **RESTful APIs** and integrated **WebSocket protocols** for real-time capabilities, lowering **backend response time by 30%**.
- Experienced using **JWT, Oauth and Passport.js**, added strong **authentication and authorization systems**, improving **application security** and **lowering login-related events by 20%**.
- Managed the migration of legacy systems to **AWS cloud architecture and balanced load with Nginx**, streamlining deployment practices and using **CI/CD pipelines** to cut **downtime by forty percent**.
- Working in an Agile/Scrum environment, teamed with cross-functional teams, I delivered 12+ significant features each quarter while keeping a **95% on-time sprint completion rate tracked with JIRA and Git**.

PROJECTS

Workout Tracker
(Stack : JavaScript, ReactJS, MongoDB, Node.JS, JSON Web Token(JWT), NPM)

- Created a workout tracking app with the **MERN stack that can manage more than 500 users** at once and track each person's workouts.
- Enhanced application data security and User experience by more than **90% by implementing secure routing with JWT-based authentication**, safeguarding routes and preventing unwanted access.
- **React was used to design a responsive UI/UX (User Interface / User Experience)**, resulting in a redesigned single-page application (SPA) that processes **40% faster**. Up to 10,000 workouts can be recorded by the system, which uses **MongoDB for backend storage**.
- **Node.js** and **Express** were used to build the backend, which increased scalability and reliability by up to 50%.
- **AES encryption** improved security by up to **98% and decreased unwanted access** to user data.

Book Review Blog
(Stack : Tailwind CSS, JavaScript, ReactJS, React Router, Context API, MongoDB, Node.JS, Redis)

- Developed a backend with **Node.js and MongoDB to handle and store book reviews** submitted by users, processing more than **1,000 HTTP/HTTPS (Rest API) submission requests every day**.
- **90% of the application's state** was handled effectively at first by using the **Context API** to manage state across all pages and components.
- As the application grew, it switched to **Redux**, which improved state management by making it **50% more consistent, secure, and robust.**
- **React Router integration** was used to effectively manage components in the single-page application, increasing frontend **performance by more than 20%**.
- Reduced the initial page load time by 25% by using **Redis** to display more than 100 reviews on the homepage.

EDUCATION

Bachelor of Technology
Computer Science Engineering   **CGPA : 8.4**
Institute Of Engineering & Management   West Bengal, Kolkata