Supriyo Nag

Software Developer

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Summary

Experienced Project Engineer with hands-on expertise in **Frontend** and **Backend** Development. Proven ability to collaborate closely with stakeholders, gather and document requirements, and ensure project success. Adept at using **React.js** for developing robust and user-friendly applications, paired with **Node.js** for creating efficient and scalable server-side solutions.

Skills

OS: Windows, Basics of Linux commands

Languages: JavaScript, HTML, CSS, ES6,Python

Technologies/Framework: REST, React.js,Node.js,Express.js, Bootstrap, MaterialUI, DOM,OOP, JSON,Next.js

Database: MongoDB

Tools: Git, Netlify, Render, VS Code, Heroku, Figma,vercel,GoDaddy

Experience

RS Software | Kolkata (Contractor)   [Jul'25 -Aug'25]

React Developer Consultant
- Streamlined biller API integration by mapping XML to JSON and designing responsive UI components using HTML, CSS, and JS enhancing system usability and data flow.
- Developed **Checker-Maker** functionality in the ICICI internal portal for secure approval workflows.
- Integrated backend controllers with dynamic HTML and front-end validation using jQuery, AJAX.
- Ensured data integrity through SQL validation and front-end form validation.

House of musa | Kolkata   [Mar'24 - Jun'25]

Software Developer
- **Python**(INIFD website)code reviews, contributing to a 2**0%** reduction in the number of bugs identified during the testing phase.[**LINK**]
- Connect backend(**Node.js**) with Frontend(**React.js**) &also sent sms system to client by **Twilio**.
- Modification Frontend code with react.js [**LINK**]
- Huge amount of Dataset store in **mongo DB** & shows in Frontend(**React.js**)with bar & pie chart.
- Connect **backend(node.js)** with integrated python(**model.py** converted automatically pickle format(**.pkl**) for Sale Forecasing and also shows in Frontend(**React.js**).
- User Registration System with **Tokenized Link**(nodemailer) using **Sendgrid.com** .
- **ERP** & **LMS** Platform (B2B & B2C) Developed a role-based quiz competition web application supporting both users, integrated with payment gateway and Class-based quiz rendering,Auto-termination quiz page navigation or tab switch,Integrated countdown timer per quiz session,Real-time tracking of attempted vs. total questions.

Wipro | Kolkata   [Mar'22 -Jan'23]

Project Engineer
- Applied advanced **C** programming skills to extract meaningful data from MP3 songs, enhancing data retrieval efficiency by **25%.**
- Spearheaded the implementation of a robust publisher and subscriber model using **Python** and **MQTT** (Cloud MQTT), optimizing communication between devices and achieving a **30%** reduction in message latency.
- Demonstrated exceptional analytical, problem-solving, and debugging skills, resulting in a **20%** improvement in **code quality** and a **15%** reduction in post-deployment issues.
- Leveraged **JavaScript** to enhance the interactivity of web applications, contributing to a **20%** improvement in user engagement and overall user experience.
- Enhanced cross-functional team communication, boosting project delivery efficiency by 25%.

PROJECTS

Figma to Web Conversion [LINK]   [Feb'25 -Feb'25]

Skills: HTML5, CSS3, JavaScript, Vercel,Figma,React.js
- Built Converted a **Figma[LINK]** design into a fully responsive **web page &** Deployed on **Vercel** .

Electronic Educare [LINK]   [Jan'25 -Jan'25]

Skills: HTML5, CSS3, JavaScript, Vercel,GoDaddy,React.js
- Built and deployed an educational platform hosted on a **GoDaddy** domain.
- Improving UI/UX and aligning the frontend with updated branding and functional requirements.
- Use terms like "modernized," "optimized," or "rebranded" to emphasize your role in enhancing the project.

Multi-Step Form with Dark Mode and State Management [LINK]   [Dec'24 -Dec'24]

Skills: React.js,Next.js, Zustand, Tailwind CSS,Jest, React Testing Library

- Developed a fully responsive, multi-step form application using modern React features and libraries.
- Multi-step form navigation with reusable components and Zustand state management.
- Implemented a user-friendly dark mode switch with dynamic theme updates.

Profile Explorer with Interactive Map Integration [Link]   [Nov'24 -Nov'24]

Skills: React.js, HTML5, CSS3,Google Maps API,JSON, Fetch API,VS Code, Git, npm

- Designed and implemented a card-based interface to display user profiles with essential details.
- Integrated Google Maps API to dynamically display locations with markers, enhancing interactivity.

Web Crawler & Chatbot System Implementation [Link]   [Sep'24 - Sep'24]

Skills: React,React Hooks,VERCEL, ES6, Deployment, Node JS, Express JS, Mongo DB, gemini ai(Api)

- Designed a dynamic chat interface using **React.js** where users could interact with the **AI**, select websites from a dropdown, and ask content-specific questions.
- Integrate an **AI integration** that can understand and process the extracted content from the website.

Camera Table with API Integration [LINK]   [Aug'24 - Aug'24]

Skills: React,React Hooks,VERCEL,React Hooks, useState, useEffect,REST API, Axios/Fetch API

- Integrated **API** endpoints to fetch and display camera data in a responsive table format.
- Developed a status **toggle feature**, allowing users to switch camera statuses (**Act/InAct**) by **API**.

Wellness Retreat Webpage [LINK]   [July'24 - July'24]

Skills:React Hooks,VERCEL, ES6, Deployment, Node JS, Express JS, Mongo DB, API, Postman

- Created a responsive web page for a fictional wellness retreat using **React.js**.
- Displayed a list of available retreats, allowing users to filter them by date and type.
- Implemented dynamic filtering and state management to enhance user experience.

Crud Operation with Authentication [LINK]   [Jun'24 - Jun'24]

Skills:Mongoose ODM, MongoDB querying, VERCEL, ES6,bcrypts,Deployment, Node JS, Express JS, Mongo DB, REST API, Postman

- Implementing robust **CRUD** operations with integrated authentication.
- Developed and maintained secure web applications using **MongoDB, Express.js, React** & **Node.js**.
- Implemented user authentication and authorization using **JWT.**

QKart Backend [LINK]   [Dec'23 -Dec'23]

Skills: Mongoose ODM, JOI, Postman, REST, ES6, MONGO, Express JS, Node JS, Mongo DB, Hashing Token authentication, JWT Token Password authentication.

- Built the complete set of **REST APIs** for an E-commerce application following the best practices.
- Used **MongoDB NoSQL** database for data storage
- Implemented multiple authentication schemes
- Created a **MongoDB** instance on **MongoDB Atlas** cloud and uploaded products data to the **cloud DB.**

Qtify [LINK]   [Sep'23 - Sep'23]

Skills:React.js,Module-scoped CSS,Flexbox,CSS variables,Material UI,swiper library usage

- Conducted a thorough analysis of the provided **Figma** design, successfully identifying and documenting required front-end components.
- Created modular UI components including Cards, **Carousels**, and Buttons optimizing for reusability across various sections of the application.
- Utilized **REST APIs** to fetch data served by the backend server.

QKart Frontend [LINK]   [Aug'23 - Aug'23]

Skills: Debouncing, Local Storage, React Hooks, Error Handling, ES6, Conditional Rendering, React, Material UI, Keyword Search

- Built a React SPA with REST APIs for dynamic data loading, authentication, cart, and checkout.
- Enhanced UI with responsive Material UI design and optimized search using debouncing.

QTrip Dynamic [LINK]   [Jun'23 - Jun'23]

Skills: HTML, CSS, JavaScript, HTTP, REST, DOM Manipulation, Event Handling, Deployment using Render, cURL, JSON

- Improved UI/UX of the website with multi-select filters, image carousels, and conditional rendering of page elements
- Utilized local storage to persist user preference at client-side and facilitated reservation form using **API.**

Education

B.E | Electrical Engineering |KIIT | BHUBANESWAR | c.g.p.a **-7.84**   [May'16 - Sep'20]

Achievement

Geektrust certified[LINK]Score:**94%,Sololearn Certified{**JavaScript**}**[LINK]   [Sep'23 - Sep'23]
Cutshort Certified(React.js**)**[LINK]**,Udemy Certified(Python)**[LINK]