KASHIF AHMAD

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WORK EXPERIENCE

Software Developer — Jul 2022 - Present
Greenwave Solutions Pvt. Ltd. — *Kolkata, India*

- Led an internal employee service portal for company employees, featuring leave management, claims processing, notifications, and access to salary slips. All senstive values are encpted.
- Led the development and redevelopment of multiple modules in the Digital Logbooks and Workflow, which is the product of our company.
- Dockerized multiple monolithic applications and microservices to simplify their deployment, enhance customizability, and enable easy deployment.
- Implemented a user authentication and security module that eliminated 100 percent paper logbook usage and enabled sequential workflow of multiple jobs in the industry.
- Configured encrypted database credentials inside the property files using node.js API.
- Developed a Java application for multiple clients to transfer data between PostgreSQL, MS SQL, MySQL, OracleDB and MongoDB databases. The application was integrated with a scheduler to automate the data transfer process at regular intervals.
- Tech stack in use: React.js, Node.js, Redux, Java, JSF, SQL, Docker, jwt, bcrypt.

Associate Software Engineer — Jul 2021 - Jun 2022
Greenwave Solutions Pvt. Ltd. — *Kolkata, India*

- Led the transformation of a large JSF monolith to microservices using React and Spring Boot and implemented real-time data visualization with web socket integration.
- Utilized JavaScript's event loop concept to optimize page load time. and by breaking down each component of the page into separate responsibilities, page load time was reduced by around 50 percent (up to 90 percent for larger datasets).
- Created robust APIs in Node.js for end-to-end data transfer and client-facing REST APIs for seamless interaction with the products.
- Developed the backend for a PTC Thingworx platform for a client.
- Tech stack used: React.js, Node.js, Redux, Graphql, TypeScript, JavaScript, MsSQL, PostgreSQL , MongoDB, MySQL Socket.IO, Java, Chart.js, Express.js, JSF, HTML, CSS, Mui.

Database Engineering Intern — Apr 2021 - Jun 2021
Greenwave Solutions Pvt. Ltd. — *Kolkata, India*

- Worked as an SQL developer.
- Improved reporting rates by developing dashboard and reporting system on PTC Thingworx.
- Tech stack used: JavaScript, SQL, PTC Thingworx

EDUCATION

B. Tech. in Computer Science, University of Calcutta — June 2021

SKILLS

Programming Languages	JavaScript, Java, HTML, CSS
Frameworks and Libraries	Node.js, Express.js, React, React.native, Vue, Mui, Spring, SpringBoot JS
Database	SQL, MS SQL, PostgreSQL, PL/PGSQL, MongoDB, Firebase
Other Technologies	Git, GitHub, VS Code, Socket.IO, Docker, PTC Thingworx

PERSONAL PROJECTS

Custom Components textUp arrow↗ A collection of custom React components that are frequently used but were not readily available or easily customizable. The components include dynamic and responsive tables with features such as sorting, filtering, CRUD operations, Excel upload and download, dynamic and responsive carousels or sliders with a 3D view using the concept of CSS clip path, pop-ups, cards, multi-checkbox selection, alerts, collapsible elements, etc. Each component is fully customizable to suit the design needs of any project. I am planning to expand it further and add features like diagrams, organization charts, etc.

Meal Booking System ↗ The responsive full-stack web application is designed for advanced meal booking in hostels, offices, or commercial spaces. It offers a range of features, including the ability for users to book meals for the next seven days, track their meal records, view billing information, and access an intuitive dashboard. Administrators have access to a separate section with functionalities such as managing meals, expenses, and user details, as well as generating bills and reports. The application aims to provide a seamless experience for users and efficient management tools for administrators. They can also generate bills and reports, including the ability to mail bills to users with a single click. Additionally, administrators can conveniently download Excel files containing both summary and individual user data.

Online Exam Portal ↗ This is an online exam portal provides users with the ability to take exams conveniently. The platform allows administrators to add questions using Excel, ensuring efficient question management. Additionally, the portal includes a feature that tracks user activities, enabling administrators to monitor user behavior, such as tab switching or any other actions. This tracking feature provides administrators with valuable insights and helps maintain exam integrity.

Flat Expense Records (Split App) ↗ A React-based expense tracker with Firebase backend, similar to Split app. It features dark and light mode options, allowing users to manage expenses, track multiple users, and generate insightful reports.

Study Planner ↗ A Full Stack responsive web app for organized schedule outlining study times and learning goals containing dashboard and multiple charts. User will receive warning mail before the deadline. Build using HTMl, CSS, Mui and Redux for Front End and node.js, Express.js for Back End and for DataBase PostgresSQL is used. For scheduled task and Email Node Mailer and Node Schedule is used here

Grocery List Builder ↗ A React-based expense tracker with Firebase backend, similar to Split app. It features dark and light mode options, allowing users to manage expenses, track multiple users, and generate insightful reports..

Snake and Ladder ↗ A Full Stack real time muiltiplayer snake and ladder game built using HTML, CSS and Vue.js for Front End and Firebase Firestore for realtime database

Covid-19 tracker ↗ A responsive web-app made in Vue.js with HTML, CSS, Bootstrap as front-end, used library such as Map-box GL, Chart.js also used Covid19India and covid19 API for real-time data.

Portfolio ↗ My portfolio website built in Bootstrap, Hyml, CSS

All Projects ↗ All Projects is being shown in the cards using github public API.