1.1 Technologies Used

1. JavaScript (JS):

   JavaScript is a versatile, high-level programming language primarily used for clientside web development, delivering interactive features and dynamic content on web pages. It is dynamically typed, interpreted, and event-driven, enabling responsive behavior to user interactions and system events. JavaScript supports both objectoriented and functional programming paradigms, offering prototype-based inheritance and first-class functions. Standardized by the ECMAScript specification, JavaScript enjoys wide compatibility across web browsers, ensuring cross-platform support. Its asynchronous nature allows for non-blocking execution of code, enhancing performance and responsiveness. Moreover, with the rise of server-side frameworks like Node.js, JavaScript empowers full-stack web development, making it an indispensable tool for creating modern web applications.

2. Node.Js:

   Node.js is an open-source, server-side JavaScript runtime environment built on Chrome's V8 JavaScript engine. It allows developers to execute JavaScript code outside of a web browser, enabling server-side scripting to build scalable and highperformance network applications. Node.js uses an event-driven, non-blocking I/O model, making it lightweight and efficient, particularly for real-time applications like chat applications, streaming services, and APIs. It provides a rich set of built-in libraries and modules, making it easy to develop web servers, handle file systems, perform network communication, and interact with databases. Additionally, Node.js has a vibrant ecosystem with a vast collection of third-party packages available through the npm (Node Package Manager) registry, facilitating

rapid development and sharing of reusable code. Overall, Node.js has revolutionized web development by allowing developers to use JavaScript for both client-side and server-side programming, fostering full-stack JavaScript development and enabling scalable and efficient web applications.

3. React.Js:

   React.js, often simply referred to as React, is an open-source JavaScript library maintained by Facebook and a community of developers. It's primarily used for building user interfaces (UIs) for single-page applications (SPAs) and handling the view layer for web and mobile applications. React is known for its component-based architecture, where UIs are broken down into reusable components, making it easier to manage complex UIs and promote code reusability. React uses a virtual DOM (Document Object Model) to efficiently update the UI, minimizing the number of manipulations needed on the actual DOM for better performance. It employs a declarative approach to building UIs, allowing developers to describe how the UI should look based on the application's state, rather than imperatively manipulating the DOM. React's ecosystem is vast, with tools like React Router for handling routing, Redux for managing application state, and a plethora of third-party libraries and components available via npm. React Native, a framework built on top of React, allows developers to build native mobile applications using JavaScript and React concepts. Overall, React has gained widespread popularity among developers for its simplicity, performance, and flexibility, making it a go-to

choice for building modern, interactive user interfaces for web and mobile applications.

4. MongoDB:

   MongoDB is a popular open-source, NoSQL database management system that stores data in flexible, JSON-like documents. Unlike traditional relational databases, MongoDB is schema-less, allowing for dynamic and flexible data models. It's designed for scalability, high performance, and ease of development. MongoDB uses a document-oriented model, where data is stored in collections, each containing documents. These documents are akin to rows in relational databases but are stored in a format similar to JSON, making it easy to map data to objects in application code. MongoDB supports a rich query language, including CRUD operations (Create, Read, Update, Delete), aggregation pipelines, and geospatial queries. It also provides features like indexing, replication, sharding, and full-text search for efficient data management and scalability. MongoDB is widely used in modern web development, especially in applications requiring flexible schemas, real-time analytics, and high availability. Additionally, MongoDB Atlas offers a fully managed cloud database service, simplifying deployment, scaling, and management of MongoDB databases in the cloud.

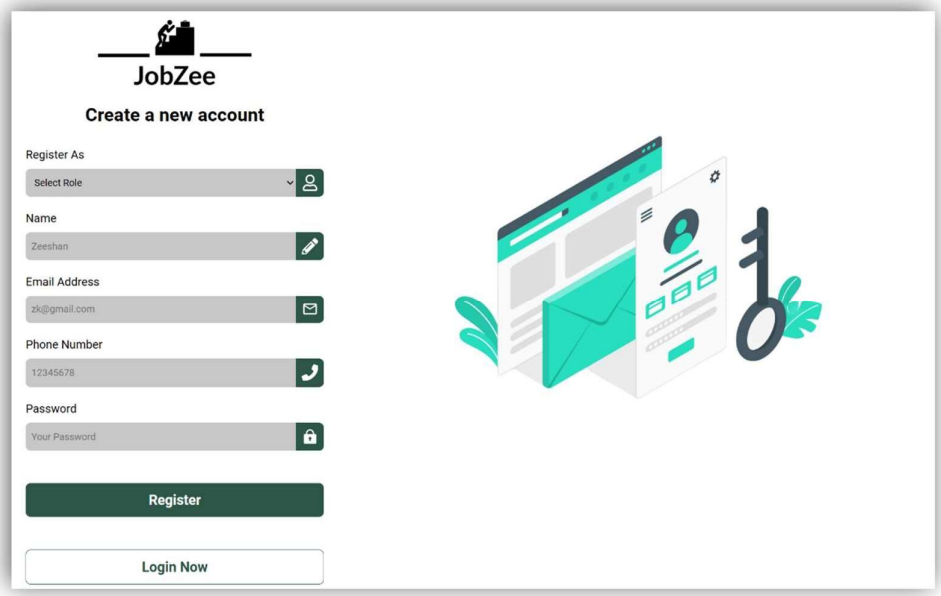
5. Express.JS:

   Express is a minimalistic and flexible web application framework for Node.js. It provides a robust set of features for building web servers and APIs, including routing, middleware support, and template engines integration. Express simplifies

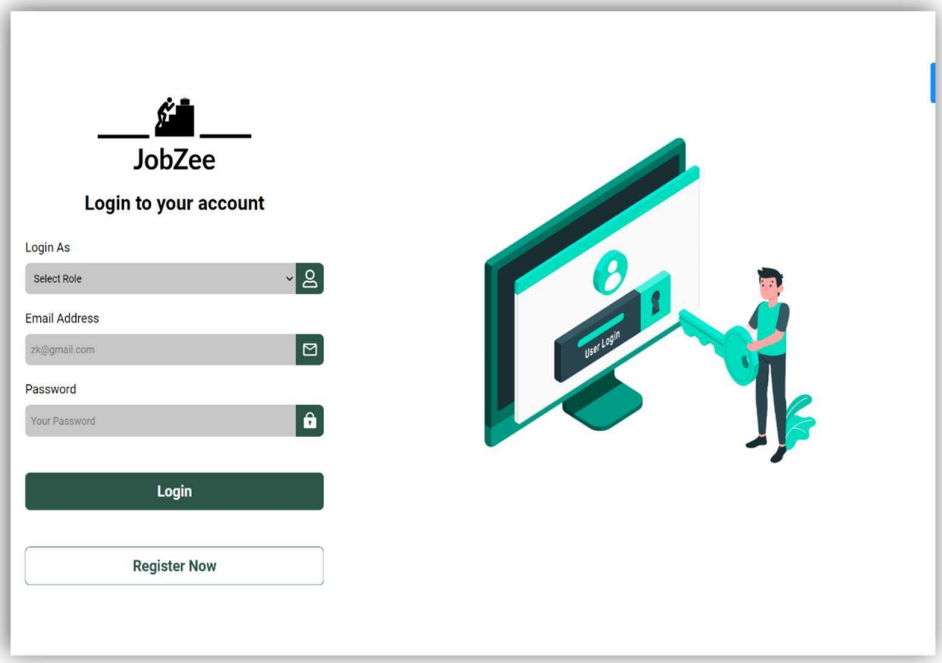
the process of handling HTTP requests and responses, making it an ideal choice for developing web applications and RESTful APIs.

Final Project Images

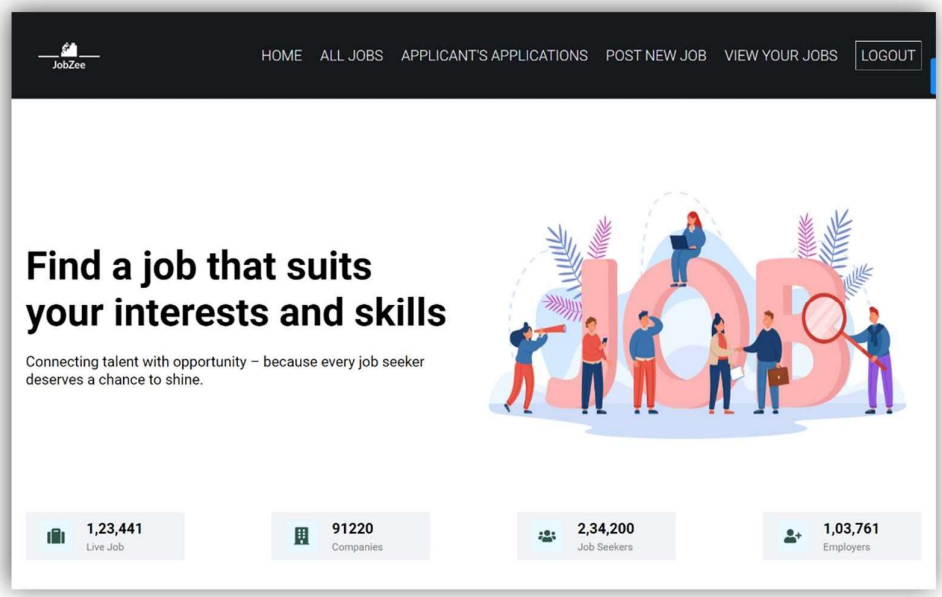
Registration Page



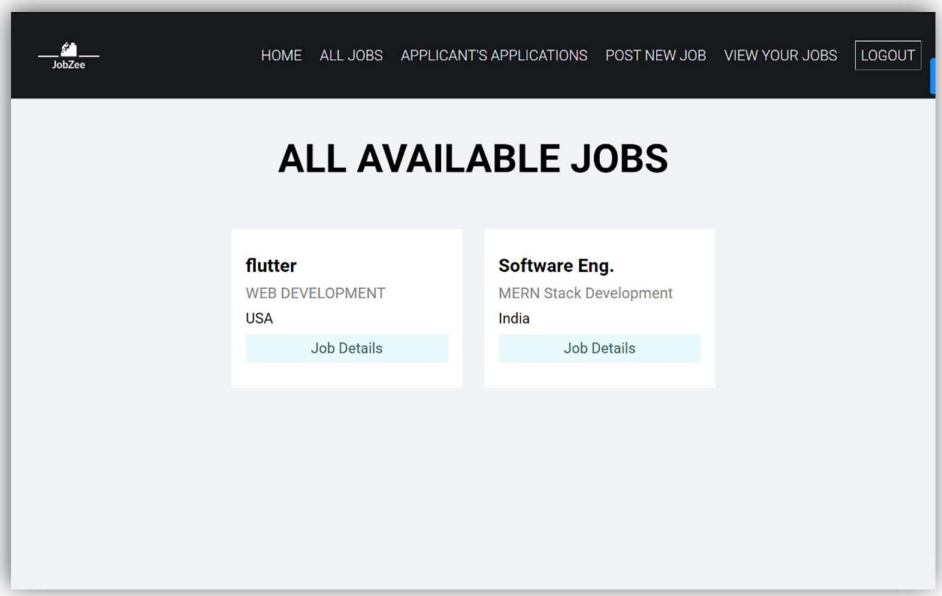
o Login Page



- Home Page

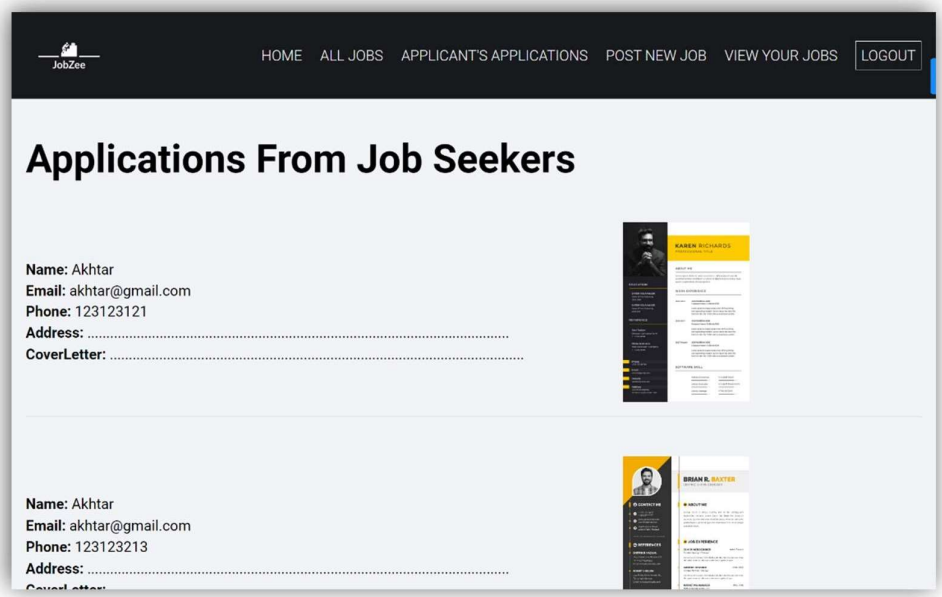


- Available Jobs

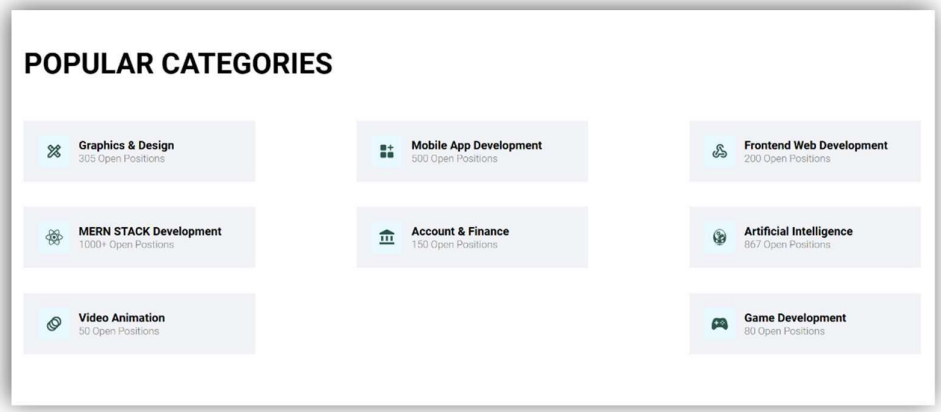


o

Applicants

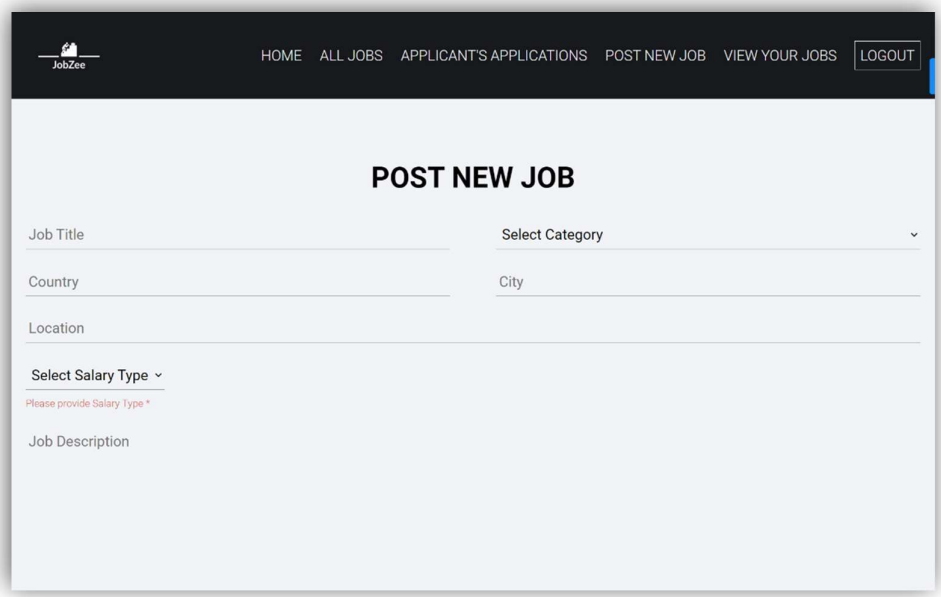


o Categories



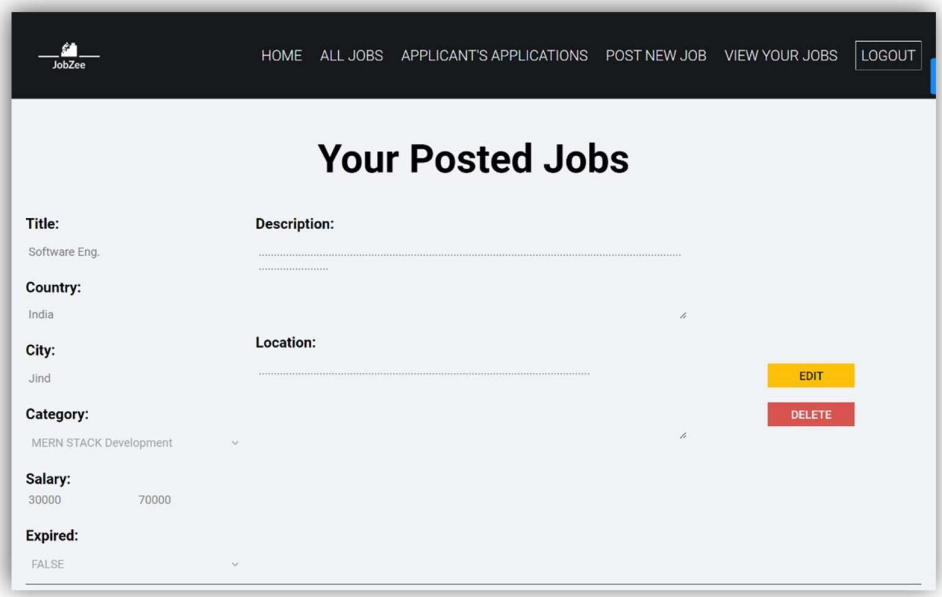
o

Post New Jobs

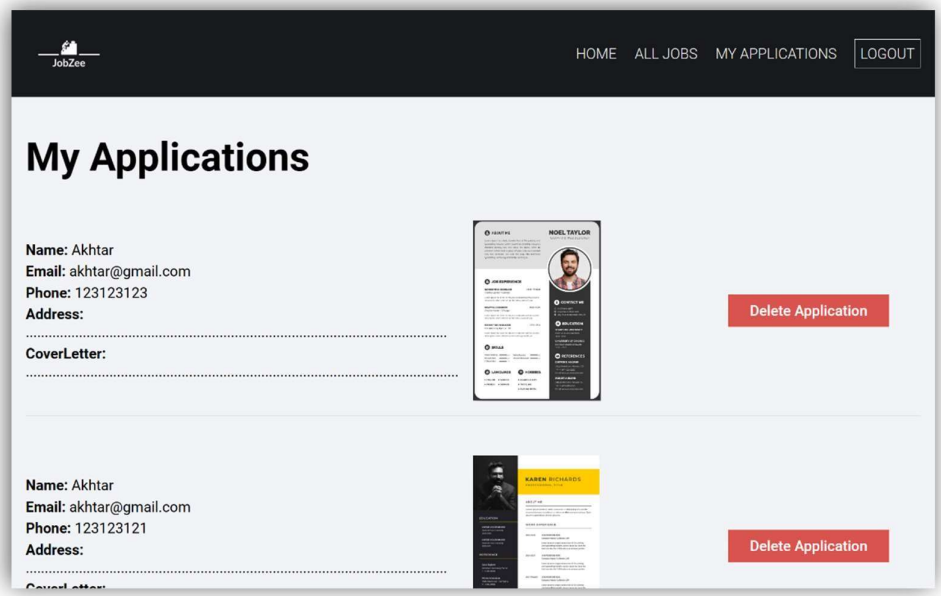


o

Posted Jobs

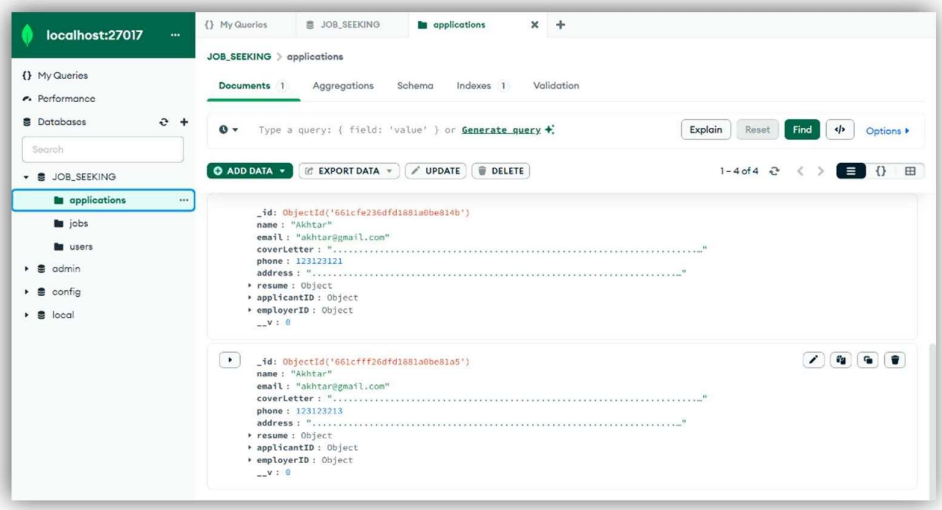


o My Applications

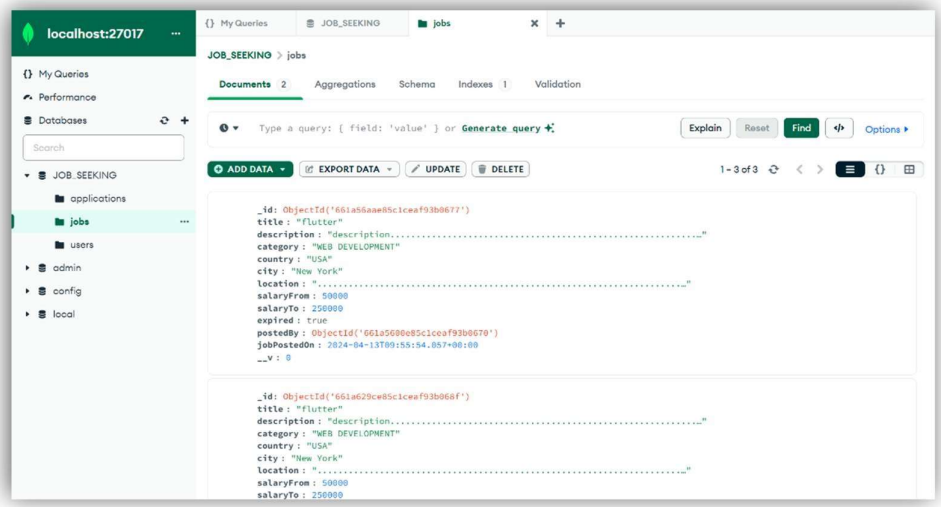


o

MongoDB (Applications)

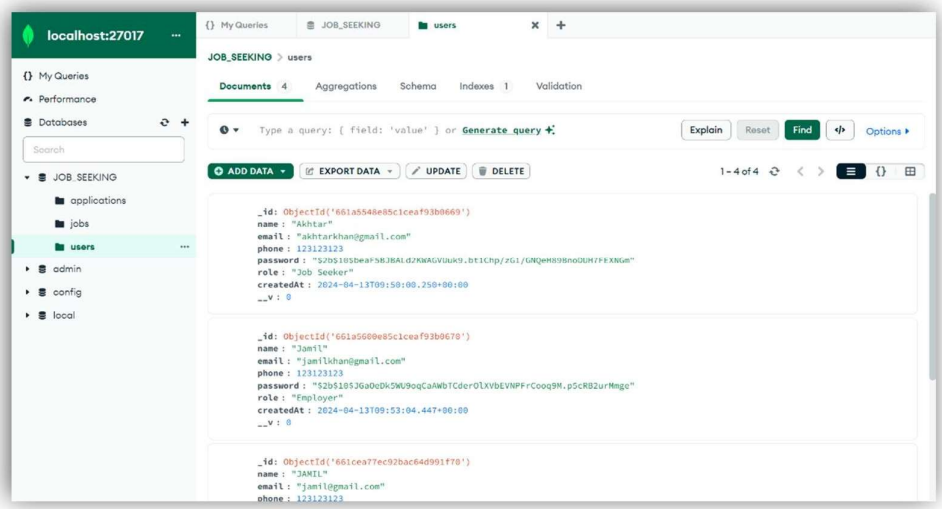


o MongoDB (Jobs)



o

MongoDB (User)



o Top Companies