# **Rakshitha KM**

Full Stack Developer

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**CAREER OBJECTIVE**

Experienced and proficient **MERN Stack Engineer** with a solid track record spanning over 3.7 years, specializing in the development of resilient web applications. Proficient in leveraging **MongoDB, Express.js, React, and Node.js** to craft scalable and effective solutions. Demonstrated success in collaborating seamlessly with cross-functional teams and a dedicated commitment to staying abreast of the latest advancements in technology.

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**SKILLS**

* **HTML5 and CSS3**
* **Java Script (ES6)**
* **jQuery**
* **React JS**
* **Redux**
* **Node JS**
* **Mongo DB**
* **SQL**
* **Axios**
* **EC2, RDS, S3, Route53 (AWS)**
* **GIT**
* **JIRA**

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**EXPERIENCE SUMMARY**

* Currently Working as **Full Stack Engineer** at **Sutherland Global**, Bangalore from **Jul/2020** to **Till-Date**

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**PROJECT DETAILS**

**AD- Management:**

It’s all-in-one solution for marketing and advertisement management. Ad-Magnet is a sophisticated web application designed to empower businesses in orchestrating effective and targeted marketing campaigns. With its user-friendly interface, Ad-Magnet simplifies the entire process, from campaign creation to performance analysis. Key features include ad-content creation tools, audience targeting options, budget management, real time analytics, and campaign optimization suggestions. The application also offers collaborative tools for marketing teams, ensuring seamless communication and coordination.

**Finance Management**

The finance management web application leverages advanced AI algorithms and cutting-edge technologies to provide users with comprehensive financial solutions. With features ranging from financial forecasting and fraud detection to investment management and personalized recommendations, the application offers unparalleled insights and capabilities for individuals, small businesses, and financial professionals alike. Through intuitive user interfaces, customizable dashboards, and robust analytics, users can track their financial health, optimize investments, and make informed decisions with ease. The frontend modules encompass user authentication, personalized financial products, and responsive design to ensure a seamless user experience across devices. Meanwhile, the backend modules include APIs for data integration, AI algorithms, investment management, and database integration, supported by middleware for security and compliance. By integrating real-time communication and AI-driven analytics, the application empowers users to achieve their financial goals and navigate the complexities of modern finance with confidence and efficiency.

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**ROLES & RESPOSIBILITIES**

* Implemented Single Page Applications using React
* Implementing **CRUD** operations (**Create, Read, Update, Delete**) using **HTTP** methods (**GET, POST, PUT, DELETE**) to interact with resources.
* Applying security best practices such as input **validation**, **authentication**, **authorization**, and **encryption** to protect against common vulnerabilities and threats.
* Integrating **OAuth** **authentication** to allow users to securely access resources on behalf of a third-party application without sharing their credentials.
* Designing **APIs** that adhere to **REST** **principles**, including resource identification, uniform interface, statelessness, and hypermedia as the engine of application state.
* Proficiency in designing and implementing **RESTful** **APIs** to enable communication between different components of a web application.
* Developing server-side applications and APIs using **Node**.**js**, leveraging its **event-driven, non-blocking I/O model** for efficient and scalable applications.
* Proficiency in designing, building, and maintaining (**Representational** **State** **Transfer**) **REST** **APIs** to enable communication between different software systems over HTTP.
* Utilizing **NodeJS** **packages** and **modules** from **NPM** (Node Package Manager) to extend functionality and streamline development workflows.
* Implementing state management solutions such as **Redux** or **Context** **API** in React.js to manage application state efficiently and predictably.
* Using **local** **storage** or **session** **storage** in the browser to persist user data and application state across sessions.
* Applying analytical and creative problem-solving skills to identify, analyze, and resolve technical challenges encountered during development.
* Debugging and troubleshooting issues in code, infrastructure, or configuration to ensure smooth application functionality.
* Expertise in **CI**/**CD** pipelines utilizing Jenkins to automate the processes of building, testing, and deploying.
* Knowledge on **Docker** for containerization, ensuring seamless deployment and management across different environments.
* Demonstrating effective written and verbal communication skills to collaborate with team members, stakeholders, and clients.
* **Documenting** technical **concepts**, **requirements**, and project updates clearly and concisely for diverse audiences.
* Developing **reusable** and **interactive** **user** **interfaces** with ReactJS, utilizing its component-based architecture for efficient UI development.
* Managing application state and data flow using React props and state, and leveraging React hooks for functional components.
* Using Jira for project **management**, **issue** **tracking**, and **task** **prioritization**, facilitating collaboration and workflow management.
* Creating and managing project **boards**, **epics**, **user** **stories**, and **sprints** in **Jira** to track project progress and deliverables.
* Configuring and interacting with **MySQL** and **PostgreSQL** databases to store, retrieve, and manage relational data effectively.
* Writing **SQL** queries to perform database operations such as **data retrieval**, insertion, updating, and deletion.
* Implementing asynchronous programming techniques in Node.js and ReactJS to handle **non-blocking I/O** operations and improve application performance.
* Utilizing **NoSQL** databases like **MongoDB** for storing and managing data in non-relational formats, providing flexibility and scalability.
* Using **Promises** or **async/await** syntax to manage asynchronous code execution and handle asynchronous events.
* Identifying and optimizing performance bottlenecks in code, **database** **queries**, or **network** **requests** to improve application speed and responsiveness.
* Designing and implementing applications using a **microservices** architecture for improved scalability, flexibility, and maintainability.
* Implementing **caching** **strategies**, **code** **splitting**, and **lazy** **loading** to reduce **load** **times** and improve overall performance.
* Implementing **SEO** best practices such as **meta** **tags**, **structured** **data**, and sitemaps to improve website visibility and ranking on search engines.
* **Optimizing** website content, **including** **headings**, **images**, and **URLs**, for relevant keywords and phrases to attract organic traffic.
* Integrating popular React libraries such as **Material**-**UI**, **Redux**, or **Axios** to enhance UI design, **state** **management**, and **data** **fetching** capabilities.
* Implementing **JWT** for secure authentication and authorization in web applications, ensuring data integrity and confidentiality.
* Leveraging React libraries for specific functionalities such as routing (React Router), **form** **handling**.
* Configuring React Router to enable **client**-**side** **routing** and navigation in **single**-**page** **applications**, ensuring a smooth and seamless user experience.
* Implementing nested **routes**, **route** **guards**, and **lazy** **loading** of components to **optimize** **routing** performance and resource usage.
* Managing project dependencies and scripts using **NPM** (Node Package Manager), including **installation**, **updating**, and **removal** of **packages**.
* Publishing and sharing packages on the NPM registry, as well as configuring **package**. **Json** files for project setup and configuration.
* Using **Git** for version control to track changes, collaborate with team members, and manage code branches effectively.
* Leveraging **GitHub** for hosting Git repositories, managing project workflows, and facilitating code reviews and collaboration within development teams.
* Applying **Agile** methodologies to software development, emphasizing collaboration, adaptability, and iterative development cycles.
* Utilizing **ES6** features such as arrow **functions**, **template** **literals**, and **DESTRUCTURING** assignments to write modern and concise JavaScript code.

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**ACADEMIC CREDENTIALS**

* **BCA**: AVK COLLEGE FOR WOMEN, HASSAN-**85.21%**
* **PUC**: TIMES PU COLLEGE, CHANNARAYAPATTANA-**83.5%**
* **SSLC**: GOVERNMENT HIGH SCHOOL, JUTTANAHALLI-**71.68**

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**PERSONAL DETAILS**

**Father’s Name** : Mahesh

**PAN**  : GEDPR5941N

**DOB**  : 05-06-2001