Khanak M

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Experience - 2 years 6 Months

Numeric Technology - Autodesk (Client - Product Based Company , MNC)   June 2023 – **Present**

Software Engineer - 1 — JavaScript , React, Microservices , Node.js, Express.js , MySQL, AWS , Docker , EC2   *Bangalore, India*

- Designed and implemented **RESTful APIs** for the 'Organization' module, ensuring robust functionality, scalability, and flexibility.
- Developed an interactive **Organization Dashboard** that provided comprehensive visibility into key metrics, successfully reducing management time by over **80%**.
- Implemented data cleanup , redis cache functionality for the organization, resulting in a rapid **increase** in the speed of **user interaction** over the time **30-40%**.
- Implemented Single Sign-On (SSO) by migrating from LDAP for user registration, authentication, and profile management, integrating comprehensive **CRUD operations** to enhance the overall user experience.
- Handled end-to-end functionality of a legacy application, enabling the organization to raise issues and concerns efficiently, streamlining business processes, improving team collaboration, and increasing company satisfaction by significant impact over **60%**.
- Provided prompt and sustainable solutions for bugs and issues encountered in the production environment, ensuring smooth operation of the system.

Projects

Instant Vakil - Full Stack Application | *Next.js , Node.js, Express.js, MongoDB, SQL , Rest API, Docker , FireBase , RazarPay Live Site*

- Spearheaded the design and development of a **RESTful API backend** to enable seamless consultation scheduling, secure online payment processing via **RazorPay**, and expert content categorization.
- Integrated a robust email system capable of scaling to over 299+ emails per day, streamlining client onboarding and fostering trustworthy satisfaction through seamless user interactions in the tech ecosystem.
- Integrated **Mailing System, Live Payment Gateway , Authentication , Database** , and **sorting** to optimize data retrieval and user experience.
- Implemented role-based access control and **JWT authentication** to secure API endpoints.

Highly Scalable Video Streaming Website | *JavaScript, React, Node.js, Express, RestAPI, MySQL, CI/CD* Github

- Engineered a scalable video streaming platform allowing users to manage contact details including name, nickname, mobile number, email, and profile picture.
- Enhanced user experience with features like **change password** and robust client-server validation mechanisms.
- Implemented advanced functionalities such as pagination and search capabilities to improve data management.
- Leveraged CI/CD pipelines to ensure efficient and reliable deployment processes.

Technical Skills

Programming Languages: Java, Javascript, TypeScript , C Sharp

Back-end Tech: Node.js, Express.js , Firebase

Databases: MySQL, MongoDB (NoSql) , Redis , Cache , SSMS

API and Verserion Control: GraphQL , Rest API , Git, GitHub

Cloud: Amazon Web Services (AWS), Docker, Kubernetes , S3 , EC2

Core Subjects: Data Structure and Algorithm, Operating System, Networking, Database

Miscellaneous: Design Patterns, Low Level Design, High Level Design, Microservices, Agile, SDLC , Scrum , JIRA

Achievements

- Solved **700+ Data Structures and Algorithmic** problems on coding platform such as **LeetCode** and GFG.
- Secured World Rank **2473** among 28K+ participants in Leetcode Biweekly Contest, top **9%** of Leetcoders.

Education

Jain Univeristy - Faculty of Engineering & Technology   *July 2018 - June 2022*

B.Tech: Aerospace Engineering (AE)   **CGPA: 7.5**