Sri Ganesh Bharadwaja Chukka

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Summary

Experienced software engineer with a passion for developing innovative programs that expedite the efficiency and effectiveness of organizational success. Well-versed in technology and writing code to create systems that are reliable and user-friendly.

Skills

Programming Language: JavaScript

Frontend Frameworks: Next.js, React.js,

Backend: Node js, webSockets, Docker

DataBases: Mongodb, MySql, Radis(Cache Database)

Cloude: AWS (EC2, VPC, NATGatways, sqs, lambda Functions, cloudfront, s3)

Work Experience

Software Engineer – Full Time, Mobius Network Private Ltd., Hyderabad India   Dec 2024 - Mar 2025

- Designed the components Html and Css using web components and Json.

Software Engineer – Full Time, Zen3 Travel Technologies, Hyderabad India   Sep 2023-Dec 2024

Stack: Node.js, Express, MongoDB, AWS, React.js

- Utilized Redux Toolkit (RTK) to manage global application state, enabling predictable and scalable state updates across pages and components.

- Minimized boilerplate code and improved performance by using RTK's built-in immer for immutable updates and memoized selectors via Reselect.

- Memoize functional components to skip re-renders when props haven't changed.

- Store mutable values that don't trigger re-renders.

- Optimized performance by using image to reduce cumulative layout shifts and `links` with prefetching in Next.js for faster navigation.

- Implemented dynamic metadata tags to enhance SEO and improve page indexing by search engines.

- Implemented Open Graph (OG) tags to improve social media link previews.

- Integrated Roboto web fonts for consistent and crawlable text rendering across pages.

- Generated and served XML sitemaps to help search engines discover and crawl all website pages efficiently from google developer console.

- Used `generateStaticParams` in Next.js to pre-render static pages for dynamic routes, improving performance and reducing page load time.
- Integrated Strapi as a headless CMS to manage dynamic content via GraphQL API, enabling non-developers to update content while leveraging GraphQL for caching and faster response times across multi-platform delivery.
- Delivers content via fast CDN-backed APIs, improving load times and handling high traffic more effectively.
- Integrated AWS S3 signed URL generation for secure, CDN-optimized image delivery in a Next.js application.
- Integrated Google Analytics for website traffic tracking and performance insights.
- Designed rich, responsive user interfaces using Tailwind CSS for utility-first styling and Material UI for prebuilt, accessible components, enabling rapid development and consistent UI/UX.

Jr. Software Developer - Full Time, Rapidops INC, Gujrat India   **Jan 2022 - Sep 2023**

Stack: Node.js, Express Js, MongoDB

- Developed RESTful APIs for seamless client-server communication and data management.
- Used WebSockets and an event-driven architecture to enable real-time, bidirectional communication for notifications.
- Implemented cron jobs to schedule and automate timely updates and background tasks.
- Implemented secure payment processing using tokenization to ensure sensitive card data is never stored or transmitted directly through the server.
- Implemented database transactions to maintain ACID properties—Atomicity, Consistency, Isolation, and Durability—ensuring that complex operations (like payments or inventory updates) are executed reliably, even in cases of failure or concurrency, preventing data corruption or partial updates.
- Implemented scroll-based pagination and improved the performance optimization—by avoiding frequent `document` queries and relying on a stable reference to the scroll container, reduced unnecessary DOM access and re-renders, leading to smoother UI updates and better responsiveness during heavy scroll events.
- Designed rich, responsive user interfaces using Tailwind CSS for utility-first styling and Material UI for prebuilt, accessible components, enabling rapid development and consistent UI/UX.

Education

Graduated from Narasaraopeta Engineering College, Narasaraopet in the stream of Electrical and Electronics Engineering in March 2017.