Akmal Raza Makrani

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SUMMARY

Front-End Engineer with 8+ years in IT and 4+ years of focused experience building scalable, user-friendly web applications using React, TypeScript, and Next.js. Adept at building modular components, optimizing performance, and delivering clean, maintainable code. Proficient in collaborating with cross-functional teams to deliver innovative and high quality solutions.

SKILLS

Languages and Frameworks: React, JavaScript, TypeScript, Next.js, Node, Redux Toolkit, HTML, CSS, PHP
Technologies & Tools: MySQL, PostgreSQL, Jest, ESLint, Git, Gitlab

EXPERIENCE

Network18 Media & Investments Limited   April 2019 - Present
Software Development Engineer 2

- Collaborated with product managers, designers, and other teams to define and deliver new features
- Built responsive and user-centric web apps using React, JavaScript and TypeScript
- Developed reusable components to enhance maintainability and user experience
- Implemented client-side routing and dynamic navigation using React Router
- Managed global app state with Redux Toolkit and Context API
- Wrote unit tests in Jest to achieve 90%+ test coverage
- Ensured coding standards and reduced vulnerabilities with ESLint
- Actively participated in and led code reviews to ensure adherence to coding standards and improve code quality
- Contributed significantly to and played a key role in the successful migration of a large-scale codebase from PHP to React and Next.js
- Resolved Google Search Console errors on key pages, significantly reducing poor URLs and improving site health

Digital Agents Interactive Pvt. Ltd   Oct 2017 - April 2019
CMS Manager

- Back-end development and maintenance of dynamic database driven websites using PHP and MySQL
- Designed clean user interface using HTML, CSS, and JavaScript

Shree Infosoft Pvt. Ltd.   Jan 2016 - Jan 2017
Software Engineer

- Build efficient, testable, and reusable PHP modules
- Assist front-end developers through PHP backend support

PROJECTS

Multi Tenant Application

- Designed and developed a configuration-driven multi-tenant application in Next.js to consolidate 12 regional news websites into a single codebase
- Eliminated code duplication, enabling efficient management of multiple domains while reducing the need for repetitive changes across websites
- Applied optimization techniques to reduce page size and load times resulting in faster rendering and reducing poor URLs to zero
- Tech Stack: React, Next.js, JavaScript, TypeScript

Config management

- Developed a user-friendly front-end interface for a robust configuration management system that enables seamless storage, versioning, and delivery of application configurations
- It allows developers and product managers to create, update, view and manage configurations, along with a comprehensive version history of tracking changes
- Eliminated deployment dependencies, as configurations no longer required code changes or SQL modifications, removing the need for redeployments just for configuration updates
- Tech Stack: React, JavaScript, TypeScript, React Router, Redux Toolkit

Video CMS

- Developed new video transcoding CMS platform to enable seamless digital video ingestion, processing, and delivery across converged media throughout the network giant
- Designed an intuitive user interface that empowers editors to effortlessly add, edit, and manage video details, streamlining content management workflows with a user-friendly interface
- Tech Stack: React, JavaScript, TypeScript, React Router, Context API

3D Interactive Lab

- It is an interactive 3D application which provides chemistry lab processes and its practices
- A back-end was created which contains details about students, processes, recipes, multiple choice questions, and admin
- Tech Stack: PHP, JavaScript

EDUCATION

Jamia Millia Islamia   2013 - 2016
Master of Computer Applications

Aligarh Muslim University   2010 - 2013
B. Sc. (Hons) Statistics