

Akshay Kumar

SOFTWARE ENGINEER

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SUMMARY

Innovative and results-oriented **Software Engineer** with **4+ years of experience** in developing and maintaining **responsive, scalable, and high-performance web applications** using **React, Next.js, JavaScript (ES6), and TypeScript**. Proficient in modern UI libraries including **MUI, Tailwind CSS, and shadcn/ui**, with a strong focus on **clean code, user experience, and performance optimization**. Skilled in **collaborating with cross-functional teams** to deliver **user-centric features** that meet business goals. Currently advancing into **full-stack development** with hands-on learning in **.NET Web API and AWS DevOps practices**, including **cloud infrastructure, CI/CD pipelines, and deployment automation**. Passionate about leveraging the latest technologies to build **maintainable, scalable, and impactful software solutions**.

EXPERIENCE

Software Engineer Level 3

Technopalette *Apr 2023 - Present*

Key Responsibilities

- Developed and maintained **scalable search systems** with advanced filters, sorting, pagination, and dynamic deep linking, significantly improving **SEO, discoverability, and overall usability**.
- Implemented **secure authentication flows** including **Login, Signup, OTP verification, and role-based UI access**, ensuring **data security and controlled access** for different user roles.
- Designed and delivered **interactive dashboards** with **real-time reports, analytics, and business insights**, enabling stakeholders to make **data-driven decisions**.
- Integrated **multiple payment gateways** (CCAvenue, PayPal, Worldline, PayU) and developed the **entire frontend payment flow** with **form validation, error handling, transaction success/failure handling**, ensuring a **smooth and secure checkout experience**.
- Built **dynamic multi-step forms** with **real-time field validation and conditional steps**, enhancing **user experience and reducing drop-offs**.
- Implemented **real-time notifications and session management** using **SignalR**, enabling features such as:
 - **Instant logout from all devices**
 - **Multi-device login/session handling** across different IPs
 - **Enhanced account security** and seamless user experience
- Developed **multi-language support** to improve **global accessibility and adoption** across diverse user bases.
- Optimized **application performance** through **lazy loading, code splitting, caching strategies, and efficient API consumption**, reducing **page load times** and enhancing **responsiveness**.
- Collaborated closely with **UI/UX designers** to build **pixel-perfect, responsive components** from **Figma and Adobe XD designs**, ensuring a **consistent and user-friendly interface**.
- Conducted **rigorous code reviews**, ensuring compliance with **clean coding practices, scalability, and maintainability**, while **mentoring junior developers** to uplift team skill levels and productivity.

Front end Developer

Arraign Technologies, Bengaluru *Jul 2021 - Feb 2023*

Jr Front end Developer

Prism Cloud Inc, Canada *Jan 2021 - Jun 2021*

Intern

Novizco Infotech, Palakkad *Jun 2020 - Dec 2020*

PROJECTS

Matrimony Webapp - Admin & client

Senior Frontend Developer | UI Architect | Technical Mentor | Scrum Master *Apr 2023 - Present*

Project Overview

A **feature-rich, responsive matrimony platform** connecting users to over **7 Lakh+ verified profiles**, achieving **5 Lakh+ downloads** and **1.5 Lakh+ monthly active users**. The platform delivers:

- **Seamless matchmaking experience** with advanced search, filters, and personalized recommendations.
- **Secure and scalable payment flows** supporting multiple payment gateways.
- **Intuitive dashboards** for both **end-users and business admins**, ensuring a **user-centric and data-driven experience**.

Frontend Architecture

- **Component-driven development** focused on **reusability, scalability, and maintainability**.
- Implemented a **feature-based folder structure** in the admin portal, organizing code by functional domains (**Search, Payments, Authentication, Dashboard**) to ensure **clean separation of concerns** and support **independent development and testing**.
- Enforced **layered architecture** with separation of:
 - **UI Components** – reusable, responsive, and theme-consistent.
 - **Business Logic** – encapsulated for scalability and testability.
 - **Services & API integration** – using Axios with modular service layers.
 - **State Management** – handled efficiently using **Recoil** for predictable and performant app state.
- Enabled **faster onboarding of new developers** by maintaining a clean, modular structure with clear boundaries between **presentation, logic, and data layers**.

Tech Stack

- **Frontend Frameworks & Libraries:** React, Next.js, TypeScript, JavaScript (ES6+), React Query (TanStack)
- **State Management:** Recoil, Zustand
- **UI/Styling:** MUI, Tailwind CSS, shadcn/ui, Styled Components, CSS Modules
- **Forms & Validation:** Formik, Yup, React Hook Form
- **Real-Time Communication:** SignalR
- **Networking & API Integration:** Axios, Fetch API
- **Performance & Optimization:** Code Splitting, Lazy Loading, Caching Strategies, Service Workers (PWA features), Lighthouse Performance Audits
- **Testing & Quality:** Jest
- **Collaboration & Design:** Git, GitHub, Jira, Azure Devops, Figma

Live Streaming Platform

Frontend Developer | UI Developer *Jul 2021 - Mar 2022*

Project Overview

A next-generation streaming platform designed for digital creators, offering **seamless collaborative streaming**, real-time audience interaction, and customizable overlays.

Canada Tax System

Jr Front end Developer *Jan 2021 - Jun 2021*

Project Overview

MyTaxHub Tips is a user-friendly web platform designed to provide individuals, small businesses, and corporations with valuable tax-saving tips, guidance for personal tax preparation, and strategies to maximize refunds. The platform serves as a one-stop knowledge hub, simplifying complex tax rules into actionable advice, ensuring users can make informed financial decisions while optimizing their tax filings.

MICRO PROJECTS

Intern Jun 2020 - Dec 2020

EDUCATION

Mechanical Engineering

Government Engineering College, Palakkad Aug 2016 - May 2020

SKILLS

React	<div><div></div></div>	.NET Web API	<div><div></div></div>
Next.js	<div><div></div></div>	Node.js	<div><div></div></div>
JavaScript (ES6+)	<div><div></div></div>	Express.js	<div><div></div></div>
TypeScript	<div><div></div></div>	REST APIs	<div><div></div></div>
Recoil	<div><div></div></div>	React Native	<div><div></div></div>
Redux	<div><div></div></div>	PostgreSQL	<div><div></div></div>
Zustand	<div><div></div></div>	MongoDB	<div><div></div></div>
React Query (TanStack)	<div><div></div></div>	Docker	<div><div></div></div>
Material UI (MUI)	<div><div></div></div>	GitHub Actions	<div><div></div></div>
Tailwind CSS	<div><div></div></div>	CI/CD Pipelines	<div><div></div></div>
shadcn/ui	<div><div></div></div>	Jest	<div><div></div></div>
Styled Components	<div><div></div></div>	Postman	<div><div></div></div>
CSS Modules	<div><div></div></div>	Git	<div><div></div></div>
Formik	<div><div></div></div>	GitHub	<div><div></div></div>
Yup	<div><div></div></div>	Jira	<div><div></div></div>
React Hook Form	<div><div></div></div>	Figma	<div><div></div></div>
SignalR	<div><div></div></div>	Adobe XD	<div><div></div></div>

LANGUAGES

English	<div><div></div></div>	Malayalam	<div><div></div></div>
Hindi	<div><div></div></div>		