Rajat Khare

Front end / UI developer

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**Professional profile**

* Around 9 years of experience building stable, testable, and easily maintainable large-scale responsive websites and Single Page Applications (SaaS and on-premise)
* Worked in insurance, investment management, public sector, marketing, and business services industries
* Proficient in HTML, CSS (with preprocessors like SCSS), JavaScript (ES6+), TypeScript, Angular, RxJS, NgRx, Storybook, React, Redux, version control with Git (on GitHub) and experienced with GraphQL,

Adobe Experience Manager (AEM), MongoDB, Ionic, Node.js, Docker and jQuery

* Well-versed in creating reusable components, design systems, integration with API services, accessibility features, and the Agile methodology while adhering to best practices
* Leading the development with effective communication, teamwork, problem-solving, adaptability along with the ability to work independently

**Work history**

**Front end developer**  May 2022 to June 2023

**Apsis** (Stockholm, Sweden)

Apsis provides personal, scalable marketing solutions that help companies reach their audience better and grow their business faster.

* Worked as the lead developer helping with code reviews, code architecture, managing tech debt, collaborating and discussing requirements with product managers, UX designers and other relevant people to divide work into tickets and estimating them.
* Created shared/extensible/reusable Angular components for the company's Design System and documented them with Storybook.
* Migrated actions, reducers and effects to use the new NgRx syntax to reduce boilerplate code.
* Optimized the email templates to reduce generated email size, improve performance and reduce storage costs by around 30%.
* Developed a folder feature in the email tool for Apsis One for better organization of emails.
* Added accessibility features (like labels) to the form tool for Apsis One to make forms WCAG (AA) compliant.
* Worked on improving email rendering compatibility with various mobile and desktop email clients (using Litmus).
* Created Angular services utilizing various RxJS operators like “retry” to make them more robust.
* Developed A/B testing functionality to determine which email content works the best.
* Created form components with React like textareas, dropdowns, radio buttons and checkboxes to be displayed in the generated forms used by end users. Their styling was done with styled-components.
* Implemented automated testing with Jest and React Testing Library to ensure code reliability and maintainable test suites.
* Use the Context API with custom hooks for state management.
* Skills: Storybook · NgRx · Angular 13 · HTML · Cascading Style Sheets (SCSS) · React (with hooks) · TypeScript · React Testing Library

**Front end developer** April 2019 to May 2022

**Precisely** (Noida, India)

Precisely is a software company specializing in data integrity tools, and also providing big data, high-speed sorting, ETL, data integration, data quality, data enrichment, and location intelligence offerings.

* Implemented a number of key functionalities in Spectrum Spatial Analyst – a web mapping application built on Angular including annotations, login, Google Maps integration, and address search while following principles like DRY.
* Developed several reusable Angular directives and components based on a third party component library (PrimeNG) keeping unit testing in mind including a folder selection dialog with lazy loading functionality.
* Contributed to Spatial Manager – an application used to configure Spectrum Spatial Analyst including the ability to configure watermark images for Analyst, and WMS and TMS configuration.
* Developed several stages for Flow Designer – an application for transforming business data built on Angular 10.
* Used Transloco library for globalization and internationalization to support multiple languages in the web application.
* Added SSO with the help of OIDC.
* Created a starter application based on the company's latest Design System with React (utilizing React hooks like useEffect, useState) showcasing its features.
* Integrated GraphQL for efficient data fetching (with Axios), reducing network requests and improving the user experience.
* Used Redux for state management and Redux Thunk as the middleware for writing side effects.
* Containerized the application with Docker to host on the company's cloud platform built on AWS.
* Setup CI/CD pipelines on Gitlab.
* Skills: OpenLayers · NgRx · Angular 10 · HTML · Cascading Style Sheets (CSS) · Docker · TypeScript · React · Webpack · Redux · Jest · GraphQL

**Front end developer**  March 2018 to March 2019

**Publicis.Sapient** (Noida, India)

Publicis.Sapient is a Consulting as well as marketing company providing various services to its clients.

* Helped a client (MFS) in transforming their website built with HTML + CSS + JS (jQuery) to one built on a CMS (Adobe Experience Manager 6.2) improving their website performance by around 20% while ensuring it was responsive and cross-browser compatible
* Implemented analytics on the website using DTM (Dynamic Tag Management) which is a part of the Adobe Marketing Cloud for tracking visitors.
* Worked on the creation of a Single Page Application (SPA) for Goldman Sachs based on Angular 4 - a dashboard for tracking the assets of users.
* Created forms using template-driven and reactive approaches to engage the users, validated user actions on the client-side and provided responsive feedback.
* Skills: JavaScript · Angular · HTML · jQuery · Adobe Experience Manager (AEM) · Cascading Style Sheets (CSS) · TypeScript

**Full stack developer** October 2014 to February 2018

**Accenture** (Bangalore, India)

* Developed a major portion of claims processing section for an insurance giant (Allianz) with Angular 1.4 utilizing Bootstrap as the CSS framework.
* Worked on the development of a hybrid mobile application (for iOS and Android) based on Ionic 1 that helped with mindfulness. I was responsible for the management of downloaded files, displaying progress statistics with bar charts, playing meditation sounds, debugging, along with other features.
* Wrote unit tests for Angular components with Jasmine and Karma.
* Developed several REST services in Node.js using the Express framework that were consumed by a collection of applications on various platforms and stored the data in MongoDB.
* Created a basic logger utility in Node.js for keeping track of the application status.
* Skills: MongoDB · JavaScript · Angular 2 · HTML · Angular 1.4 · Ionic Framework · Node.js · Cascading Style Sheets (CSS) · Express.js · Mocha · Jasmine

**Side projects**

* rajatkhare.com: My portfolio website that I built when I was learning React.

**Education and certification**

* 2010 - 2014 Bachelor of Technology in Computer Science, Uttar Pradesh Technical University (UPTU)
* 2018 – 2019 Postgraduate Diploma in Natural Language Processing.