

Kaushik Dutta

Front End Developer

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Dynamic and skilled Software Engineer with over 3 years of experience crafting responsive and scalable web applications. Proficient in front-end technologies and frameworks, including **JavaScript**, **Angular**, **React**, **TypeScript**, **HTML**, and **CSS** with a strong understanding of UI/UX principles. Proven ability to collaborate with cross-functional teams and deliver high-quality software solutions under tight deadlines. Passionate about innovation, clean code, and continuous learning.

Education

Dumka Engineering College, Dumka <i>Bachelor of Technology in Electrical (CGPA: 8.44)</i>	2016- 2020
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Technical Skills

Languages:	JavaScript, TypeScript, Java, Node.js, SQL, HTML, CSS3
Frameworks:	Angular(v8-18), React, Next.js, Angular Material, Bootstrap, MUI, Highcharts
Tools:	GIT, Gitlab, MySQL, MongoDB, Jira

Experience

Techfour Engineering Solutions <i>Software Developer Engineer - I</i>	DEC 2022 - Present <i>New Delhi</i>
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- **Developed** dynamic, reusable modules to streamline project setup, reducing setup time by **30%**.
- **Built** and maintained responsive Angular-based applications with cross-browser compatibility.
- **Implemented** Angular best practices including modularization and code optimization, increasing code maintainability.
- **Integrated** complex features such as **Google Maps**, **TinyMCE Editor**, and **Highcharts**.
- **Implemented OnPush change detection strategy** in performance-critical components, significantly reducing unnecessary DOM updates.
- **Utilized** advanced **Reactive Forms** with nested **FormArray** structures.
- **Refactored reusable UI components** to reduce duplication and align with **Atomic Design principles**, enhancing consistency and modularity.
- **Optimized component rendering** using **React.memo**, **useCallback**, and **useMemo**, reducing unnecessary re-renders and improving app performance by **25%**.
- **Managed global state** effectively using **Redux** and **React Context API**, enabling consistent data flow across complex component hierarchies.
- **Enhanced form performance** using **Formik** and **Yup** for schema validation, resulting in faster form interactions and fewer errors.
- **Integrated lazy loading of images** and components to improve Lighthouse performance scores and reduce page load times.
- **Reduced initial bundle size by 40%** by implementing dynamic imports and removing unused dependencies.

Projects

The Mood Space (Consultation Platform) <i>React, HTML, CSS3, JavaScript, Bootstrap, MUI</i> <ul style="list-style-type: none">• Designed responsive, mobile-friendly UI components ensuring seamless cross-device experience.• Managed state using Redux/Context API for scalable component communication.• Implemented robust form validation for therapist bookings and feedback submission using Formik.
Partner Management Platform <i>Angular, TypeScript, Angular Material, Highcharts, TinyMCE</i> <ul style="list-style-type: none">• Led the development of the "Dealer Management" system, contributing 100% to its delivery.• Created dynamic dashboards and role-based modules, enhancing administrative functionality.• Integrated email editor for real-time communication with dealers regarding active schemes.
Disability Insurance and Claim Management System <i>Angular, TypeScript, Angular Material, Highcharts</i> <ul style="list-style-type: none">• Collaborated with designers and back-end engineers to build accessible UI components.• Delivered complete admin/user role-based modules, enhancing system control.• Achieved 100% delivery success of the "Insurance Provider" module within project deadlines

Greenlam CSRP / *Angular, Typescript, Highcharts*

- **Contributed** to 30% of the project's core functionalities.
- **Built** dashboards for tracking customer concerns (quality, logistics, commercial)

MEP: Website / *Angular, Typescript, Google Map, Highcharts*

- **Developed** a system to automate manual building calculations, streamlining project workflows

Certificate

Full Stack Web Development (11/2021 - 05/2022)

- **Improved** problem-solving with DSA techniques
- **Completed** Full Stack Web Development training using the **MERN** stack (MongoDB, Express.js, React, Node.js), building scalable applications and gaining end-to-end development expertise from frontend UI to backend APIs