

KABIL RAJENDHIRAN

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ABOUT ME

Full Stack Developer with 2.5 years of experience in building performant and accessible web applications using React.js, Next.js, and Node.js. Skilled in Server-Side Rendering (SSR), secure authentication, RESTful APIs, and A/B testing. Developed internal tools like GitWind and contributed through technical writing. Strong focus on SEO, performance optimization, and scalable architecture.

TECHNICAL SKILLS:

- **FRONTEND TECHNOLOGIES:** React js (V17 & V18), Next js, Redux, JavaScript, TypeScript, HTML5, CSS3, SASS, Webpack, Tailwind, React MUI (Material UI) and Babel
- **BACKEND & DATABASE:** Node js + Express, Python + Django, Django-ORM, Postgres and MongoDB
- **APIs & INTEGRATION:** RESTful APIs, GraphQL, Google Analytics API, Microsoft Vision API, Stripe and DUO OAuth
- **CLOUD & DEVOPS:** AWS (EC2 & ELB), DOCKER and Github CI/CD pipelines.
- **TOOLS:** React Testing library (RTL), Jest, Postman, Git, Jira, Asana, Bitbucket, Webstrom, IntelliJ and Figma

WORK EXPERIENCE:

SPIRALYZE | Frontend Engineer | 06/2025 – Present

Atlanta, GA, USA

- Contributing as a **Frontend developer** and Quality Analyst.
- Developing pixel perfect web elements for **A/B testing** and reviewing others Frontend work as well.
- Exposure to **A/B testing tools**, VWO and Mutiny.
- Worked in an **Agile** environment, managing tasks and sprint workflows using **Asana** for daily tracking and collaboration.

DOODLEBLUE INNOVATIONS | Software Engineer | 04/2024 – 05/2025

Chennai, India

- Contributed to **four projects** across diverse domains, including **E-Commerce and Finance**.
- Delivered frontend features in 2-week **Agile** sprints using tools like **JIRA** and **Figma** for task tracking and UI collaboration.
- Acquired extensive experience in SEO optimization and web accessibility implementation, ensuring compliance with industry standards.
- Successfully integrated **Google Analytics** and **Microsoft Vision APIs** for advanced data analytics and insights.
- Proficient in deploying applications to **Amazon EC2 instances**, ensuring seamless and efficient deployment processes.

TATA CONSULTANCY SERVICES (TCS) | Software Engineer | 01/2022 – 04/2023

Chennai, India

- Link: <https://www.tcs.com/what-we-do/products-platforms/tcs-twinx>
- Followed **Agile** development methodology with daily stand-ups, sprint planning, and retrospective meetings.
- **Developed UI** for various digital twin projects, integrated **100s of API**.
- Created **UI Dashboards** for digital twin to show its output, based on the **KPI's and filters**.
- Gained expertise in **Webpack** and **Babel**.
- Implemented **Server Side Rendering (SSR)** in **React**.

- Implemented authentication and authorization mechanisms, including **token-based authentication** and **OAuth**.

ZOHO CORPORATION | **Software Engineer Trainee** | 08/2021 – 10/2021

Chennai, India

- Contributed to research and development of an **Elasticsearch-based plugin** for custom cross-cluster replication.

EDUCATION:

MIET ENGINEERING COLLEGE | **Computer Science and Engineering** | 2016 – 2020

Trichy, Tamil Nadu

- Secured **7.55 CGPA**
- Contributed to **Research and Development** students team and completed **2 IOT** projects.

PROJECTS:

1) TATA STEELS SAFETY | **TATA CONSULTANCY SERVICES**

- Built a **real-time** safety alert system integrated with an AI model to detect potential industrial hazards.
- Used **Django** to develop robust **REST APIs** for data ingestion, alert generation, and external system communication.
- Designed and deployed a **React.js** dashboard to visualize alerts and risk patterns across industrial zones.
- Implemented **real-time** alert delivery via **email/SMS** to responsible personnel based on location and context.
- Integrated **Django APIs** with the industry emergency response system to automatically trigger physical signals (e.g., alarms, lights).
- Optimized frontend performance using React Memoization and useMemo hooks and **Lazy Loading** for faster page loads.
- Collaborated with data science teams to align AI output formats with backend and frontend data flow.
- **Tech Stack:** React js, Redux, Django and Typescript

2) DESIGN SYSTEM | **TATA CONSULTANCY SERVICES**

- Created a comprehensive library of reusable UI components.
- This involved developing modular and customizable components that could be easily implemented across different screens and features, promoting consistency and efficiency in development.
- This reduces **50% of frontend development cycle time**, also reduces **80% of UI related bugs**.
- **Tech Stack:** React js, Next js, Typescript and SASS

3) ENGINEERING AND PRODUCTIONS | **TATA CONSULTANCY SERVICES**

- Designed and developed a personalized dashboard feature that allowed users to customize their view based on their specific KPI preferences and requirements.
- Developed multiple chart widgets using **React-Charts-Js** for visualizing the aggregated results in the dashboard.
- Used **Redux** with **Redux toolkit** for sharing state across multiple widgets in various dashboards.
- Optimized the application by using memoization techniques which **reduces 30% of loading time** of the dashboard page.
- Implemented automated testing using **Jest** have a **test coverage of 70%**.
- **Tech Stack:** React js, Redux, Typescript, SASS and Django

4) DIGITAL TWIN BUILDER | **TATA CONSULTANCY SERVICES**

- Successful implementation of automated data source connectors ensures the smooth integration of various data sources into the Digital Twin.
- This process enables the Digital Twin to connect with various data sources with **90% less manual effort**.
- **Tech Stack:** React js, Context API, Typescript, SASS, Node js + Express and Django

5) NORBLOC | DOODLEBLUE INNOVATIONS

- Developed interactive dashboards using **React-Charts** to visualize key performance indicators (KPIs).
- Performed complex dynamic calculations based on user-selected filters and displayed results through charts.
- Implemented a caching mechanism to store pre-calculated values for improved performance.
- Developed a custom **Server-Side Rendering (SSR)** solution for **React**, **reduced 80% page load time**.
- **Tech Stack:** React js, Node js and SSR

6) BRIDGEPORT | DOODLEBLUE INNOVATIONS | (bridgeportmq.com)

- Designed and implemented a **Content Management System (CMS)** for the entire website using **React**, **React MUI (Material UI)** and **Node.js**.
- Built a responsive website with 25+ pages using Next.js and Tailwind CSS.
- Enabled **Static-Site Generation (SSG)**, configured to update APIs once per day for improved efficiency.
- Gained hands-on experience in deploying applications to **Docker containers**.
- Implemented Sub-Resource Integrity (**SRI**), **nonce attribute** and secure **CSP headers** to **minimize security risks**.
- Implemented automated testing using Jest, achieving **85% test coverage** across key components
- **Tech Stack:** React js, Next js, React MUI, Redux and Tailwind CSS.

OTHER PROFESSIONAL PROJECTS

- **MrMed:** Ecommerce platform for selling medicines. <https://www.mrmed.in/>
- **MyGate:** Ecommerce platform for selling smart locks <https://mygate.com/>

PERSONAL PROJECTS

1. **GitWind:** This is a tool used for switching between multiple git accounts in few clicks. It also allows to clone repositories using a specific git account. It's an open-source tool, developed by myself.
Tech Stack: Electron js and React js.
Link: <https://github.com/kabildeveloper/GitWind>
2. **Semi-Automatic Exam Seating Arrangement:** This project is used for creating seating arrangement for exams using Django , React Js and Postgres. It takes Students, Subjects and Room details and create seating plan. Room allocation and mixing of students are completely automated. This project reduces 90% of manual effort and time.
Tech Stack: Node js, React, Typescript and Postgres
3. **IOT based water monitoring system:** This project uses an ultrasonic sensor a Raspberry Pi, and an electric water pump to fill the water tank automatically when the water in the tank is low.
Tech Stack: Python and IOT

BLOGS

- I'm passionate about **writing and teaching**. So, in my free time I'm writing blogs about whatever the hard topics I have gone through, I have simplified it to my best.
- **Checkout this link:** <https://medium.com/@kabildeveloper>

LANGUAGES

- Read, write and speak professionally in **English**.
- Read, write and speak natively in **Tamil**.