Ujjwal Kumar

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EDUCATION

Visvesvaraya Technological University | Bengaluru, India
Bachelor of Engineering in Computer Science and Engineering, CGPA: 9 | *Aug. 2017 – Aug. 2021*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, SQL

Backend: Node.js, Express.js, MongoDB

Frontend: React.js, Next.js, Redux

Methodologies: Agile, Scrum, OOP, Functional Programming, CI/CD

Others: Jest, D3.JS, HTML, CSS, TailwindCSS, Git, Rest API, Data Structure

EXPERIENCE

Metricstream Infotech Private Limited | Bangalore, India
Member of Technical Staff (Research and Development Team) | *Aug 2021 – Present, Full-time*

- **Full-stack development** for the **Audit Manager Project**, including creating the Login Page UI and implementing all necessary **REST APIs** for user registration, login, password change, and password reset. Utilized **ReactJS** for the frontend and **NodeJS** with **ExpressJS** and **MongoDB** for the backend.
- Engineered the **migration of GRC application from Backbone.js to Next.js**, driving a **40% enhancement in user experience** and a **30% reduction in load times**, resulting in a significant boost in performance & efficiency metrics.
- Led the successful migration of charts within a **GRC application** from **Fusion Charts to D3**, resulting in a **50% increase in data visualization capabilities** and a **40% enhancement in interactivity.**
- Implemented mpowerAPIs for consumption by the Business Rules team.
- Collaborated with the development team to identify and fix performance bottlenecks, resulting in a **20% increase in application speed using caching**.
- **Resolved 300+ critical bugs** in the company's software, improving stability and customer satisfaction.
- Collaborated with cross-functional teams to coordinate project requirements and ensure seamless integration of components, resulting in a **20% reduction in integration issues**.

PROJECTS

ChatSphere | *NodeJS, ExpressJS, ReactJS, MongoDB, Tailwind* | *GitHub*

- Integrated **Nodemailer** with an SMTP server for email verification, achieving a **99% success rate** in email deliveries and reducing registration-related issues by **30%**.
- Utilized **JSON Web Token (JWT)** for secure user sessions, **bcrypt** for encrypting passwords, and cookies for maintaining session integrity and user state.
- Leveraged the **"ws" library to support real-time communication via WebSockets**, enabling instantaneous messaging

XtraTune | *React.js, Next.js, Tailwind, Typescript* | *GitHub*

- Crafted a sleek and intuitive **fsong streaming web application** utilizing the **JioSaavn API** to scrape and stream songs.
- Used **Next.js paired with TypeScript**, seamlessly integrating navigation and playback functionalities for an enhanced user experience.
- Integrated **Radix UI components** for accessible and customizable UI elements, and **TailwindCSS** for efficient, utility-first CSS styling, resulting in a visually appealing and responsive user interface.

AWARDS & ACHIEVEMENTS

STAR Award: MetricStream STAR Award winner. (May 2024)

CERTIFICATION

MTA: Introduction to Programming Using JavaScript - Certified 2019
(Certificate Link)