

SHUBHAM SHUKLA

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Work Experience

Metricstream | Member of Technical Staff - Research and Development Team

Aug'21 - Present

Platform Product Management and Development

- Engineered **CyberGRC** and its integration with AWS Audit Manager, including UI components for login, dashboard (with scorecards, reports, and trend charts), and implementation of **REST APIs** for user authentication, registration, login, password management using ReactJS, NodeJS, ExpressJS, and MongoDB.
- Modernized the front-end framework, transitioning from **BackboneJS based M7 to NextJS based Euphrates**, significantly boosting the GRC application's scalability and maintainability, now utilized by approximately **900 organisations globally**.
- Engineered an intelligent **D3 and React chart system**, migrating from **Fusion Charts**, with responsive design and interactive legends, **reducing clutter by 20% and enhancing user satisfaction**.
- Collaborated with cross-functional teams in an Agile environment to develop **over 8 products**, creating **reusable components for multiple products** and ensuring efficient planning, development, and maintenance.
- Addressed and **resolved 300+ critical software bugs**, significantly enhancing system stability and boosting customer satisfaction.

Mobile Development

- Integrated Detox and Jest for end-to-end test automation of **Metricstream Mobile app**, boosting test coverage and **cutting manual testing time by 40-50%**.
- Planned and executed feature migration to use React Native new Architecture, resulting in a **15% - 25% performance improvement in rendering time and 25% faster startup time**.
- Optimized the webpack bundling process for a mobile app, achieving a notable **40% reduction in bundling time**.
- Crafted an innovative **anonymous reporting module**, driving a **25% surge in user reports** while elevating privacy standards and enhancing overall user engagement.
- Streamlined audit processes by developing modules for creating and managing audit projects, assigning tasks, and tracking progress.

Internship

UpaayIndia | Web Developer Intern

Dec'20 - Feb'21

SSB Insider | (HTML, CSS, Javascript, MySQL, PHP)

- Built a **web application** for SSB aspirants with **10+ pages, 50+ quizzes**, providing valuable insights into interview procedures, preparation techniques, and guidance.

Education

B.Tech | Computer Science and Engineering

Graduated 2021

Dr. A.P.J. Abdul Kalam Technical University (AKTU)

CGPA (8.49 / 10)

Skills

Languages: JavaScript, TypeScript, Java, SQL

Backend: Node.js, Express.js, MongoDB

Frontend: React.js, Next.js, Redux, React Native

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

Others: Jest, Detox, D3.js, HTML, CSS, TailwindCSS, Git, Rest API, Xcode, Realm, Websockets, Data Structure

Key Projects

Chatsphere | (React.js, Tailwind, Node.js, Express.js, MongoDB)

[GitHub](#)

- Leveraged the **"ws" library** to support real-time communication via **WebSockets**, enabling instantaneous messaging.
- Mitigated the risk of fake registrations by around 50%** through the integration of **Nodemailer with an SMTP server** for email verification **achieving 99% success rate in email deliveries**.
- Utilized **JSON Web Token (JWT)** for secure user sessions, **bcryptjs** for encrypting passwords, and **cookies** for maintaining session integrity and user state.

Xtratune | (Next.js, Tailwind, Typescript)

[GitHub](#)

- Crafted a sleek and intuitive **song 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 Team Award of the Year** - Recognized for exceptional team performance at **MetricStream (2023)**.
- Quarterly Spot Award** - Honored for outstanding development work on the **CyberGRC product at MetricStream (Q1 2024)**.
- 1st Prize, Workshop on Database Connectivity** - Awarded top prize at a workshop hosted by **Apex Group of Institutions (2019)**.
- 1st Rank, Computer Science Quiz** - Secured the top position in a departmental event at **Apex Group of Institutions (2019)**.