Wriddhi Hazra

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EDUCATION

JIS University   July 2020 – July 2024
Bachelor of Technology in Computer Science   *Kolkata, IN*

EXPERIENCE

Frontend Intern   Feb. 2024 – Aug. 2024
Zscaler | *React, TypeScript, JavaScript, BitButcket, JIRA, Confluence*   *Bangalore, IN*
- **Migrated** the codebase to **leverage** cutting-edge data fetching and caching libraries like **axios** and **react-query**, **enhancing loading states** for **100+** components while **eliminating redundant logic** that streamlined overall application performance.
- Unified **build tools** across all **micro-frontend** applications within a **monorepo** by standardizing on **Webpack**, replacing the previous combination of tools like **Vite** and **Rollup**. Achieved a **20%** reduction in build times and enhanced maintainability across **15+** applications, boosting cross-team collaboration and consistency in the development workflow.
- Implemented **code-splitting** to decrease the initial **JavaScript bundle size** that users get by **30%** resulting in much faster loading of the application and lesser wait time for end users of the application.
- Enhanced front-end code coverage in a **React** application from **75%** to **88%** using **Jest** and **React Testing Library**, as measured by **SonarQube**.
- Developed a customized **automation script** for seamless **environment switching** across **development**, **testing**, and **production** stages, detecting both **command flags** and **environment variables**. Reduced configuration time by **50%** and enhanced developer productivity for a team of **12** by automating manual environment adjustments.

Full-Stack Intern   Nov 2022 – May 2023
ARS Inventif Pvt Ltd | *Next.js, TypeScript, PostgreSQL, Nginx, Docker*   *Kolkata, IN*
- Developed a full-stack web **B2B** application using **Next.js**, **Typescript**, **PostgreSQL** and **Docker** to store **attendance** data in an on-premises server using **facial recognition** resulting in a centralized and digitized way of organizing attendance records that cannot be spoofed or faked resulting in **90%** cost and time reduction.
- Developed a full-stack web application using **Next.js**, **Typescript** and **PostgreSQL** to create an online Learning Management System platform integrated with the facial-recognition attendance module and supported video lecture storage in an **AWS S3** bucket and role based access.

OPEN SOURCE

Pujo Atlas | *Astro, React, TypeScript, TailwindCSS, Cloudflare, Sentry*   Sep 2024 – Present
- **Lead** the development of a web application using **Astro** with **React** islands for shipping extremely lightweight first bundle to client with no JavaScript that helped **140k+ users** in finding **Durga Puja** locations all over Kolkata where we served **1 million requests** with **zero downtime**.
- Implemented pre-push and pre-commit hooks utilizing **Husky**, establishing automated **ESLint** and **Prettier** checks that reduced code review times by **30%** and enhanced overall code quality across the project repository.
- **Mentored** students and conducted **code reviews** for Hacktoberfest contributors as a **core maintainer**, ensuring **high-quality code** and adherence to **coherent**, scalable **design patterns** for long-term project maintenance.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, Bash, SQL, HTML, CSS
Frameworks: React.js, NEXT.js, Node.js, express.js, Nginx, Apache, Flask, TailwindCSS
Tools: Docker, Git, GitHub, Terraform, Ansible, Sentry, JIRA, BitBucket, Confluence
Platforms: Amazon Web Services, Microsoft Azure, Google Cloud Platform, Digital Ocean, Cloudflare

ACHIEVEMENTS

- Won a place among the **top 10** innovators in **India** the XR Grand Challenge **2022** by **FITT-IIT Delhi** and **Meta (Facebook)**, and was invited to attend the live bootcamp at IIT Delhi Campus, Delhi.
- Achieved **14th** place in **Ground Zero Hackathon** - West Bengal **Cyber Challenge, 2022**, organized by Cyber Security Centre of Excellence, West Bengal & **Indian School of Ethical Hacking (ISOEH)**.