Madhuja Mitra

Software Engineer

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SUMMARY

Software Engineer specializing in full-stack technologies, for developing and optimizing scalable solutions for complex challenges across the finance and telecom sectors. With experience in product design principles, I consistently deliver innovative solutions tailored to industry-specific requirements.

SKILLS

Frameworks: ReactJS, NextJS, GraphQL, Redux, JQuery, NextAuth.js, Express
Languages: JavaScript (ES6+), TypeScript, NodeJs
Cloud Technologies: AWS, Azure (basic)
Tools: Docker, Kubernetes, Jenkins, Git, GitLab
Testing: Jest, Enzyme, BrowserStack

PROJECTS

Full-Stack Developer | HireSwift

FEB 2024 - FEB 2024, BRAIN STATION CAPSTONE
Developed a job portal that limits postings to 50 applications, automatically closing for review and reopening if suitable candidates are not found.
Technologies: **NodeJs, ReactJS, MySQL, Express, Docker, Material UI, Jest**

Full-Stack Developer

JAN 2024 - JAN 2024, RANDOM TEAM NAME GENERATOR
An innovative hackathon project designed to dynamically generate balanced teams with a click, fostering fair play and collaboration.
Technologies: **ReactJS, JavaScript, Express.js**

EDUCATION

BrainStation | Diploma, Software Engineering
DEC 2023 - MAR 2024, VANCOUVER, CA

Dr. A.P.J. Abdul Kalam Technical University | Engineering
JULY 2011 - JULY 2015, INDIA

EXPERIENCE

Software Engineer(Contract) | Yunwenverse Media Inc
MAR 2024-PRESENT, VANCOUVER, CA
- Created features and functionality of a WordPress site, focusing on key aspects of website development to improve performance and user experience.

Software Engineer | Infosys
DEC 2021- DEC 2023, BANGALORE, IN
- Revamped Google authentication with **NextAuth.js**, resulting in a 45% increase in login efficiency, accelerating user access, and elevating overall user experience metrics.
- Improved **cross-browser website performance**, reducing load times by **42%**, and developed a high-performance, headless solution with **ReactJS, NextJS, and TypeScript**, optimizing user experience.
- Led a digital **accessibility** overhaul, aligning the website with **WCAG 2.1** guidelines by implementing key improvements such as screen reader optimization, colour contrast adjustments, and keyboard navigation enhancements, which elevate user-friendliness by **40%** for individuals with diverse abilities.
- Enhanced software efficiency and consistency by **30%** through **Docker** implementation. Familiar with **Kubernetes** basics for container orchestration

Engineer | Colt technology
JUL 2018 - DEC 2021, GURGAON, IN
- Designed and launched over **50 unique UI elements** using **ReactJS, JavaScript, and CSS**, increasing user engagement. Achieved this by focusing on intuitive design principles and user feedback analysis, enhancing application usability and interaction.
- Implemented Git for workflow optimization, achieving a **40%** reduction in merge conflicts and a **25%** increase in code integration speed. This was accomplished by adopting **advanced version control** strategies and team training sessions, streamlining the development process.
- Enhanced system security by **35%** by directly implementing server-side session management, integrating **JWT**, and enforcing **HTTPS protocols** in collaboration with teams, ensuring industry-standard security compliance.
- Applied expert debugging skills in single-page applications and boosted software reliability, reducing UI bugs by **40%** through comprehensive testing with Jest, Enzyme, and Cypress.