Md Saifi Hassan

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EXPERIENCE

Software Engineer II   Apr 2023 – Present
THALES   *Noida, India*
- Led full-stack development of **Spirit Airlines'** In-Flight Entertainment (**IFE**) OTT platform serving thousands of daily passengers, receiving outstanding user satisfaction ratings
- Architected and implemented mission-critical streaming infrastructure using **NodeJS** and **Golang** backend with **React**/**TypeScript** frontend, ensuring performance at scale
- Championed **DevOps** integration by creating automated **CI/CD** pipelines with **Jenkins**, reducing deployment time by 65% and enabling rapid feature delivery
- Implemented comprehensive testing architecture combining **Jest**, **React Testing Library**, **Cypress**, and **Percy** for visual regression testing, maintaining 90%+ test coverage
- Directed code quality initiatives through systematic peer reviews and architectural governance, establishing coding standards that improved maintainability by 40%
- Participated in agile development processes, contributing to sprint planning and retrospectives

Software Engineer   Aug 2022 – Apr 2023
THALES   *Noida, India*
- Engineered core components of the In-Flight Entertainment (**IFE**) platform using **React**, **TypeScript** and **Storybook**, creating a modular architecture that accelerated development velocity
- Established robust test-driven development practices that reduced production bugs by 75%
- Optimized application performance through strategic code refactoring, reducing load times by 30%
- Collaborated with UX designers to implement responsive interfaces ensuring seamless user experience across multiple device configurations

Software Engineer Intern   Jan 2022 – Aug 2022
Guavus, a THALES Company   *Gurgaon, India*
- Developed and maintained a comprehensive UI component library using **React**, **TypeScript**, and **Storybook**
- Created reusable UI components that were implemented across multiple product interfaces

PROJECTS

Real-time Chat Application | *ReactJs, NextJs, Firebase*
- Built a real-time chat application enabling seamless communication between users.
- Integrated **Google authentication** for secure and hassle-free user logins.
- Utilized **Firebase** for backend services, including authentication, real-time database, and messaging, ensuring high performance and reliability.

EDUCATION

Dr A.P.J Abdul Kalam Technical University   Noida, India
Bachelors in Technology, Computer Science   *2019 – 2022*
Jamia Millia Islamia   Delhi, India
Diploma in Computer Engineering   *2016 – 2019*

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, JavaScript, Typescript, Golang
Frameworks & Libraries: React, Redux, Next.js, Material-UI, Tailwind CSS, Storybook, Jest, WebSocket
Backend & APIs: Node.js, Express.js, RESTful APIs, Firebase
Databases: MySQL, MongoDB, Firebase
DevOps & Cloud Tools: Kubernetes, Docker
Development Tools: Git, VS Code

ACHIEVEMENTS

- Participated in Several Open-Source Contributions
- Delivered Peer Training(Workshop) on JAVA and Android, GNIOT
- Won Smart India Hackathon 2020 and 2021, GNIOT.