MD IRFAN

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SUMMARY

Full Stack Developer skilled in Angular, Golang,React, MongoDB, Express JS,Spring boot, and proficient in data structures and algorithms (DSA). Experienced in implementing robust software solutions, with a focus on code optimization and performance enhancement. Adept at leveraging a wide array of technologies including JSON and XML formats to create efficient, structured, and scalable applications. Passionate about continuous learning and staying updated with the latest industry trends. Strong collaborator with a track record of working effectively in cross-functional teams to deliver high-quality products. Additionally experienced in SSO implementation from Node.js, ensuring seamless integration and secure authentication.

EDUCATION

PES University **Bangalore**
B-Tech in Computer Science and Engineering *Aug,2019-Aug,2023*

Certification

PES University **Bangalore**
Specialization in Computer Network Security *2021-2023*

TECHNICAL SKILLS

Programming Language	Python, C, C++, Java,Javascript,TypeScript,Golang
UI Development	HTML, CSS,JQuery,Angular, React,XML,Tailwind CSS
DBMS	MongoDB,Oracle, MySQL,postgresql
Server-Side Development	Node JS,ExpressJS,spring Boot
Tools & Technologies	Git,Burp Suite,DevOps,CI/CD,Postman,
Cloud Technologies	AWS, AZURE,Docker,Kubernetes,Monitoring and Logging
Software Development Practices	REST Services,Agile,Functional Programming,SDLC, MVC design pattern,Object-oriented programming(OOPs) Scrum,Code Maintainability,Collaboration and Teamwork

EXPERIENCE

Kloudspot（Software Engineer） June 2023 – Present

Implemented monitoring application

• Increased site uptime accuracy by 30%, ensuring more reliable monitoring and real-time alerts for application failures.

• Enhanced the efficiency and performance of our websites, leading to faster response times and better user experience.

ULRT (Japan)

• Developed a comprehensive metro station dashboard to display live and historical data for multiple stations, including platforms, concourses, and escalators.

• Implemented graphical data views for each station tab, including real-time occupancy, footfall count (entry/exit), and overtime data trends

• Visualized demographic data by age and gender distribution, providing insights into male and female occupancy patterns.

• Built a scalable system to track and monitor live data for entry, exit, and footfall, along with historical trend comparison, improving operational efficiency.

Visitor Management System (SEDA SAUDI)

• Developed a Visitor Management System using Angular for the frontend and Python for the backend.

• Implemented automated visitor check-ins, badge generation, and secure visitor logs.

• Integrated role-based access control, real-time notifications, and analytics dashboards.

• Optimized UI for seamless user experience and enhanced backend performance.

RTA Tram (Dubai)

• Developed a system to detect driver fatigue and distraction for the RTA Tram, enhancing safety measures.

• Generated PDF reports that summarize driver status data, incorporating MongoDB aggregate queries for comprehensive analysis and reporting.

KPMG India（Cybersecurity analytics） Jan 2023 – May 2023

• Completed training at KPMG India, focusing on security tools and threat management.

• Worked as a Cybersecurity Analyst Intern, assisting in web application security assessments.

• Used Burp Suite for vulnerability testing, identifying security risks like SQL injection and XSS.

PERSONAL PROJECTS

Final year engineering project 2022 – 2023

Securing API in microservices

• Create a Banking Microservice Application which has a present-date vulnerability.

• Implement Pagination Attack on the microservices Application.

• Created a solution against attack.

• https://ieeexplore.ieee.org/document/10181210