## Rubesh Chandar R

## Software Engineer | Full Stack Developer | Devops & Cloud Enthusiast

 $\underline{rubeshchandar@gmail.com \mid \underline{https://linkedin.com/in/Rubeshchandar/} \mid \underline{https://github.com/RubeshChandar} \mid \underline{https://rubeshchandar.com/in/Rubeshchandar/} \mid \underline{https://github.com/RubeshChandar/} \mid \underline{https://git$ 

+91 9003038059 | Chennai, India

## PROFESSIONAL SUMMARY

Full Stack Developer with about **2.5 years of professional experience** in React, Flutter, Django, and Firebase, specializing in building scalable web and mobile applications. Expertise in optimizing application performance, integrating DevOps workflows, and implementing cloud-based solutions to drive efficiency.

#### PROFESSIONAL EXPERIENCE

#### Freelance Software Engineer, Smart Aqua Technologies (consulting)

Jan 2025 - August 2025

- Spearheaded the design and delivery of responsive web and mobile applications for small-scale clients, reducing reliance on third-party packages and ensuring cleaner, maintainable codebase.
- Engineered full-stack solutions using React (web), Django (backend), and Firebase (auth & storage), streamlining debugging workflows and cutting down development troubleshooting by approximately 15 hours per week.
- Demonstrated expertise in embedded computing by integrating IoT functionalities into mobile application, creating seamless user experiences and containerized environments using Docker, improving deployment efficiency and system scalability by 90%.
- Optimized database queries and caching mechanisms on the backend, decreasing average response time by 500ms for critical data retrieval operations and improving overall application responsiveness.
- Implemented 15+ REST APIs using Django and Django REST Framework, leveraging PostgreSQL databases on AWS, maintaining a robust Git version control system and adhering to strict version control workflows, reducing deployment time by 25%.

### **Assistant Systems Engineer, Tata Consultancy Services**

May 2021 – Jan 2023

- Managed the 80% deployment and supervision of the Bank of America's new app into production using Agile methodologies, ensuring system design, security protocols, and adherence to best practices, resulting in less than 10% post-deployment issues.
- Co-ordinated with the development team using Agile software development best practices to implement measures that mitigated 70% of potential issues and resolved 80+ known issues, improving application stability.
- Resolved 85% of critical incidents promptly and performing in-depth Debugging to minimize application performance impact.
- Collaborated with cross-functional teams using Agile practices and Scrum to develop and deploy 10+ new features aligned with business strategy, enhancing user functionality and contributing to a 15% increase in customer satisfaction.
- Managed and maintained the health and performance of 50+ servers on a Linux environment, ensuring more than 95% uptime.
- Liaised with the development team to implement measures to mitigate 70% potential issues and 80+ known issues.
- Mentored 3 junior engineers in full-stack development; implemented a structured training program focused on React, Node.js, and Firebase, improving team code quality and reducing bug reports by 20%.

#### **EDUCATION**

University of Liverpool, United Kingdom – Masters, Advanced Computer Science [Grade 2:1]

Sept 2023 - Dec 2024

Anna University, Chennai, India - Bachelors, Computer Science

June 2017 - July 2021

# **SKILLS**

- Languages: Python, JavaScript, TypeScript, HTML5, CSS3, SQL, NoSQL.
- Frameworks: Django, Flutter, Angular, React, Node, NumPy, Pandas, Machine Learning, Scikit-learn.
- Developer Tools: Linux, Shell Scripting, Docker, Git, Splunk, Nginx, Web socket Redis (cache).
- Core Competencies: Web & Mobile app development, Web-services, API Development, Cloud, Agile and Scrum Practices.

## **PROJECTS**

- Engineered IoT shoes with haptic feedback for visually impaired, enhancing safety and navigation through live obstacle detection.
- Created a web and IoT (raspberry pi) for managing water usage in institutions, reducing wastage and improving efficiency.
- Developed an in-house Linux based home server for centralized NAS storage, self-hosted web applications and plex media server.
- Pioneered a mobile application to connect citizens with law and local enforcement for streamlined area management [Ministry of HR Development's Innovation Cell's National Innovation contest].
- Applied Machine Learning (Reinforcement Learning) algorithms to optimize decision-making processes, gaining hands-on experience with training models, reward functions, and policy evaluation.
- Self-hosted portfolio site on a local server and securely exposed it to the internet using Nginx and Cloudflare reverse Tunnel inside a docker network, enabling encrypted public access without direct port forwarding or external hosting services.