Viswanathan T J — Software Engineer

✉ viswanathantj@gmail.com 📞 9597010099 🔗 viswa2k.in in viswanathanTJ ○ viswanathanTJ

🧠 SKILLS

Programming
Python, Java, JavaScript (Core), Shell Scripting

Frontend
HTML, CSS, JavaScript, React, Next.js

Backend
FastAPI, Flask, Django, Spring Boot, REST APIs, Microservices

Data & Automation
NumPy, Pandas, Automation Scripts (Python/Shell)

Cloud & DevOps
Docker, Kubernetes, Google Cloud, CI/CD (GitHub Actions), Linux

Databases
MySQL, MongoDB, Redis

📂 PROJECTS

Marksheet Management 🔗
07/2021 – 10/2021
Languages: Python, HTML, CSS, JS
Libraries & Frameworks: Flask, Bootstrap

Password Manager 🔗
09/2020 – 12/2020
Languages: Python, HTML, CSS, JS
GUI: PyQt5 Web: Flask
Database Supported: MongoDB, Firebase

🎓 EDUCATION

Master of Computer Applications,
Kongu Engineering College
10/2021 – 04/2023

B.Sc Computer Science,
Thiagarajar College
04/2018 – 05/2021

🎖 CERTIFICATES & COURSES

- RHCSA - EX200 Red Hat Certified System Administrator 🔗
- Hackathon - State Level Participation
- IOT - Challenge Participation
- Chess - State Level Open Chess Participation
- AI Agents Intensive Course with Google

🌐 LANGUAGES

Tamil   ● ● ● ● ●
English   ● ● ● ● ○

💼 PROFESSIONAL EXPERIENCE

Software Development Engineer, Zoho Corporation
06/2023 – Present
- Developed a **CLI-based automation tool** using Python and Shell that simplified server configuration and deployment for the team.
- Helped developers work **~40% faster** by making environment setup, code changes, and testing cycles significantly easier and more reliable.
- Built backend components for a common API gateway that handled integrations with **10+ external systems**, making CRUD operations more consistent and easier to maintain.
- Implemented real-time data synchronization across **multiple interconnected services**, improving data accuracy and reducing manual intervention.
- Improved API performance and backend logic, helping reduce response times and ensuring smoother handling of high-volume requests.
- Led debugging efforts for recurring integration issues, helping reduce resolution time and improving the overall stability of the services.

💼 INTERNSHIP

Software Development Engineer - Intern, Zoho Corporation
02/2021 – 08/2023
- Developed a full-stack project management tool used by internal teams, working on both backend APIs and UI components to support **200+ users**.
- Helped streamline service integration workflows by automating repeated steps and improving data flow, reducing integration time noticeably for the team.
- Investigated and resolved **30+ production issues** under mentorship, gaining hands-on experience with debugging and issue analysis.
- Contributed to improving existing modules and API handling, making the system easier to maintain and more responsive during higher usage.