

SUMON SOURABH GHOSH

Backend / Platform Developer with 1.7+ years of experience at Tata Consultancy Services, working in Agile environments on backend services, deployments, and system-level applications. Hands-on experience with Node.js, Python, Linux servers, and secure application deployment. Strong understanding of backend workflows, APIs, authentication, and infrastructure validation, with a DevOps-leaning mindset and ownership of end-to-end deployments.

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 India (Open to Relocation / Remote)

WORK EXPERIENCE

Tata Consultancy Services

Assistant System Engineer 06/2022 - 02/2024

- Worked as part of Agile development teams on backend-focused applications.
- Developed and maintained backend services using Node.js and Firebase.
- Assisted in deploying backend applications to Linux-based servers with SSL configuration and security hardening.
- Worked with AWS services for backend hosting and environment setup.
- Integrated backend APIs with frontend applications built using React Native and Flutter.
- Participated in deployment verification, monitoring, and post-deployment issue resolution.
- Acted as Group Leader for trainee Assistant System Engineers, providing technical guidance and task coordination.

PROJECT

Self-Hosted Video Streaming Platform 2020 – 2024

- Designed and built a self-hosted video streaming platform deployed on a Linux-based server.
- Developed backend services for user authentication, media access, and session management.
- Implemented HTTPS security using SSL certificates and Cloudflare tunneling.
- Managed DNS routing, secure traffic flow, and server configuration.
- Performed load and scalability testing to identify performance bottlenecks.
- Owned end-to-end deployment, monitoring, and maintenance of the platform.

Hand Gesture Controlled Mouse (Python) 2023

- Developed a Python-based computer vision application for real-time gesture recognition.
- Implemented gesture processing logic and system interaction handling.
- Optimized performance and handled edge cases for inconsistent input.

Voice-Controlled AI Assistant (Python) 2024

- Built a Python-based AI assistant integrating OpenAI (GPT-3.5) APIs.
- Implemented speech recognition using Vosk and text-to-speech using pyttsx3.
- Designed backend logic to process commands and execute system-level actions.
- Handled API error cases, timeouts, and response validation.
- Packaged the application as a standalone executable using PyInstaller.

EDUCATION

Sathyabama Institute of Science and Technology

B.E / B.Tech in Electronics and Communication Engineering

08/2018 – 09/2022

SKILLS

Python 
Linux Servers 

Node.js 

Backend Development 

- Python
- JavaScript & Node.js
- REST API Development
- Backend Authentication & Authorization
- Linux Server Administration
- SSL / HTTPS Configuration
- Cloudflare DNS & Tunneling
- Docker and AWS
- Git & GitHub