

Chinmay P

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Career Experience

Viga Entertainment

Backend Team Lead

- Enhanced and optimized the microservices for a project management and production tracking system, resulting in a 25% improvement in performance and a 30% reduction in latency.
- Designed and integrated an event-driven database using Event Store to process over 1,000 events daily, enabling real-time analytics and data-driven decision-making.
- Developed and executed deployment strategies for various in-house services, reducing deployment time by 6x, enabling faster feature rollouts and minimizing downtime.
- Independently managed core backend infrastructure and created APIs for machine learning and AI services, demonstrating strong technical leadership.
- Established a structured pipeline for user management through Single Sign-On (SSO), enhancing access control and user experience.
- Designed and integrated a dynamic pricing model based on licensing tiers for service access, enabling a license-based authentication and access control system, ensuring that users could only access services according to their subscription plans.

Backend Engineer

- Implemented robust role-based access control to streamline user permissions and improve system security across all microservices.
- Developed and deployed multiple microservices utilizing VMs and cloud functions to derive AI-enhanced improvements based on comment context, launch a scalable SMTP server, and build a video transcoding server using ffmpeg.

Projects

- **Remote File Manager:** Developed a tool that spins up a host server and facilitates secure file transfers using the SFTP protocol. Engineered with a Python backend and a React frontend. [link](#)
- **Mutli-SSH Client:** Developed an application to manage multiple SSH sessions concurrently, enabling users to connect and control several SSH clients seamlessly. Integrated with python backend and eel frontend, utilising a PostgreSQL database securely storing SSH client information. [link](#)
- **Self Hosted Music Server:** Designed and implemented a personal music streaming server using a Python backend and a React frontend, facilitating efficient music library management and playback, utilising a chunk-based file upload mechanism to enable efficient streaming and reduced latency during file transfers. [link](#)
- **Torrent Client:** Developed a python based torrent client to stream to audio and videos using torrent protocol. [link](#)

Skills

Programming Languages: Python, Javascript, SQL

Technologies: Docker, Github, Git, BASH, GCP, AWS, Redis, Linux, MYSQL, Postgres, FFMPEG, Pytorch

Technical Skills: Cloud services, Distributed Systems, Authentication, Virtual Machines, Backend development, Database Design

Education

PES University, Bachelor of Technology	2022
Deeksha Centre for Learning	2018
National Public School	2016