Sarthak Jain

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WORK EXPERIENCE

Full Stack Engineer(Backend Major and Devops) @codedamn   **Dec 2022 - Aug 2023**
- Refactored the **video transcoding pipeline and implemented video transcription** generation infra, **reducing the cost of operation by 90%. This infrastructure had been Composed using multiple AWS services.**
- **Migrated company's DB** from **MongoDB to PostgreSQL (AWS Serverless RDS),** reducing request latency by **90%.**
- Designed and Developed the **DSA labs architecture** from scratch and.also built the **pricing page** of the company.

Freelance Full Stack Developer @matrimonial.ai former iwaada.com   **Sept - Nov 2022**
- Managed application's deployments and handled production load servers hosted on AWS.
- Spearheaded the development of the company's deployment processes, streamlining workflows and minimizing downtime for critical updates.
- Proficiently contributed on the React and Tailwind CSS-based frontend, contributing to an intuitive and visually appealing user interface.

The Linux Foundation, LFX Mentee   **June - Aug 2022**
- Engaged in a mentorship with The Linux Foundation, contributing to the OMF Project by enhancing the ZOWE CLI with data set and file comparison commands, optimizing IBM mainframe operations.
- Enhanced ZOWE CLI for IBM mainframes by developing a **feature to compare datasets** across various file types, **incorporating browser view options for diff results** and **optimizing code for imperative framework integration**.

Freelance Full Stack Developer @oyo-movers   **Mar - May 2022**
- **Led the development of the backend infrastructure** for 2 distinct frontend websites and a mobile application. Employed Express.js, PostgreSQL, and PrismaORM alongside various third-party APIs to enable users to connect with packers and movers seamlessly.
- Successfully **integrated real-time location tracking** using Firebase Realtime Database, enhancing service reliability. Optimized the user-friendly frontend to provide an intuitive interface for customers.

SKILLS AND EXPERTISE

Languages	: Javascript, Typescript,Bash Scripting
Dev Framework	: Node.js, React, Next.js, Tailwind CSS, Express, GraphQl, Trpc, ORMs,Playwright,Vitest
Database	: PostgreSQL, MongoDB, Redis
DevOps Tools	: Git,Linux,Docker,Swarm,Kubernetes,Cloudflare,Prometheus,Grafana,Ansible, Github Actions,Jenkins, Azure,AWS,EFK
Soft Skills	: Collaboration, Agile Methodologies, Problem Solving, Effective Communication

PROJECTS

CreatorLens [WIP - MVP] [close sourced product]
- Engineered a scalable backend architecture for **CreatorLens** using **tRPC**, integrating **Redis for optimized caching and rate-limiting**, ensuring robust performance and security.
- Orchestrated automated infrastructure provisioning and configuration management across **Azure VMs using Terraform, Ansible, and GitHub Actions**, resulting in a reliable CI/CD pipeline and **container orchestration with Docker Swarm**.
- Facilitated secure service exposure and **connectivity via Nginx reverse proxy** and implemented a comprehensive logging solution using **EFK stack** and APM using **Prometheus & Grafana** with **secured TLS communication between each of the micro-service**.

Home Server Configuration and Management Project [github][docs]
- Engineered a resilient multi-service **home server using Docker Swarm**, enhancing service availability and automating deployment with **CI/CD pipelines**, resulting in a 30% reduction in deployment time.
- Configured **Nginx for reverse proxy**, integrating **Cloudflare Tunnel** to securely expose services to the internet while maintaining robust local DNS resolution with **dnsmasq** in Docker.
- Leveraged **Ansible for server configurations**, promoting **Infrastructure as Code (IaC)** for efficient management, and reduced configuration errors by 40%.

Wapi.js [github] [docs]
- Developing Wapi.js, an open-source TypeScript library that **simplifies WhatsApp Cloud API integration**, enabling swift chatbot creation with event based **message handling** and **user interaction** workflows.
- Incorporated **advanced CI/CD pipelines** for **automated testing and releases,** facilitating a streamlined development cycle and robust version control for community-driven enhancements.

CERTIFICATIONS

- ***AWS Certified Associate Developer***   ***Dec 2023***

EDUCATION

- ***Bachelor of Computer Applications***, DSEU Shakarpur Campus, Delhi   **Aug 2021 - Feb 2023**
- ***Sr. Sec School*** , CBSE, Delhi   **Apr 2020 - Apr 2021**

OPEN SOURCE & COMMUNITY WORK

- **Organizer of CrossKnotHacks** first version: A 36 hours virtual hackathon with **1000+ participants, 10 winners, 15+ sponsors, 10 Judges & 30 mentors.[Website][Github]**