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Parth Lawania

Software Engineer

Portfolio: parthlaw.vercel.app
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SKILLS

Languages	Golang, Javascript, Typescript, Python, C++, C
Tools and Frameworks	ReactJs, NextJs, Angular, NodeJs, Express, Django, Flask, NestJs, Kubernetes, Docker, GIT, RabbitMQ
Databases	PostgreSQL, MySQL, MongoDB, Redis, Snowflake
Platforms	Linux, AWS, Firebase, Vercel, Heroku

TECHNICAL EXPERIENCE

Software Developer Intern Aug 2022 — Oct 2022
Blaze AI (YC W22) Hybrid

- Orchestrated the development and deployment of **cloud infrastructure**, **data pipelines**, backend, and frontend systems for a diverse portfolio of projects leveraging cutting-edge technologies. Achieved 40% reduction in infrastructure costs and accelerated project delivery by 20% through effective cross-functional collaboration.
- Led end-to-end development and launch of "Statistok," a TikTok growth tool and **analytics** product, garnering over 1000 users and providing valuable social media trend insights.
- Accelerated data pipelines with **AWS Step Functions**, slashing run-time from 1-2 days to 2-2.5 hours, optimizing infrastructure and reducing infrastructure costs.
- Led the high-impact project "Twitter Listening" managing the ingestion and processing of millions of daily tweets. Solely established the complete **infrastructure** for the project.
- Collaborated closely with **cross-functional teams** (Engineering, Product, and Growth), contributing to our product's success by achieving the No. 2 position on **Product Hunt**, showcasing effective teamwork and strategic execution.

Back-End Developer Intern Aug 2021 — Nov 2021
L-Earn App Remote

- Micro-services**-based Backend Development: Designed and built a Micro-services architecture using **Node.js** and **Golang**, achieving an average response time of 50 milliseconds, ensuring fast and efficient data processing.
- Real-time Chat Module: Developed a real-time chat module using **Golang** websockets and **parallel programming**, enabling concurrent handling of 10,000 chat connections with only 1% message loss under high load scenarios.
- Live Session Assignment System: Implemented a dynamic system between **Node.js** REST server and **Golang websocket** server, allowing the assignment of teachers to students for live sessions within 200 milliseconds, ensuring swift access to live assistance.
- Successfully maintained **MongoDB** and **SQL** databases, ensuring rapid access to critical information for users.

PROJECTS

Scalable Pub-Sub Chat Application

Gochat

- Implemented a cutting-edge chat application using **React**, **Golang**, and **SQL**.
- Achieved a 50% reduction in message delivery latency through the implementation of **parallel programming** using **Goroutines** in **Golang**, providing users with an instant and seamless real-time chat experience.
- Implemented Pub-Sub architecture using **RabbitMQ**, improving message processing efficiency and enabling seamless message distribution in small to medium-sized chat rooms.

Empowering NGOs during the Second Wave of COVID-19 May 2021

CovAssist - ARAV

- Spearheaded the development of an impactful ERP application, CovAssist, dedicated to assisting people in need during the second wave of COVID-19.
- Utilized a powerful tech stack comprising **ReactJS** (for both client and admin interfaces) and **NodeJs** with **Typescript**, resulting in a 40
- Crafted a comprehensive admin dashboard, enabling over 100 volunteers to efficiently manage resources, coordinate relief efforts, and assist more than 1,000 individuals in distress.
- Designed and implemented a client website, facilitating access to critical information and aid requests for over 5,000 users, connecting them with essential support resources during the crisis.

EDUCATION

Dual Degree (Btech in Information Technology), Indian Institute Of Information Technology and Management Gwalior 2019-2024

ACTIVITIES

Web Operations : IEEE Students Branch IIITM Gwalior	2020-Present
Manchanta IIITM, Gwalior, Technical Team Member	2019-Present
ICM ICPC Regionals 2019 Volunteer	Dec 2020