Name: Darshan Sharma

Phone Number: +91-7009746321

Email: thedarshansharma@gmail.com

Website: darshan.sh

LinkedIn: https://www.linkedin.com/in/darshansharmain

Education

Panjab University. B.E (CS) 2014-2018 - 81.10%

Skills

Web: HTML5, CSS3

Frameworks: React.Js, Express (Node.Js), Nest.Js, Flutter

DevOps: CI/CD, AWS-Lambda, EC2, ECS, EKS, S3, Docker, Kubernetes

Web API: REST API, GraphQL

Database: PostgreSQL, MongoDB, Redis

Load Balancer: Apache Kafka, Rabbit MQ

Programming Languages: Java, Python, C++, Dart, JavaScript,TypeScript

Work Experience Total Work Exp: 5 years

MonkAI Technologies
Position: Co-Founder (Startup)   Oct 2022 - Dec 2023

- Created a smart CCTV system utilizing Raspberry Pi Zero, IoT technology, PiCam, and Linux-driven OS offering a wireless, cost-effective, and user-friendly alternative to conventional security systems. Used S3 to store images with a 3-month holding period.
- Created an Ed-tech interface of chatGPT named vidurGPT. It was trained using the word-vec algorithm on a 150GB dataset, rich with a diverse mix of Hinglish and Hindi lexicon. Leveraged the OSS project llama, for analysis of parameter configuration.

Apti.io
Position: Senior Software Engineer   Jul 2020 - Sep 2022

- Enhanced the video player's load time within the user feed of our application by implementing a strategy that only pre-loads 25% of the content. Based on data analysis and user telemetry this strategy was implemented. If the user watched 90% of the 1/4th of the video then only the remaining full video is fetched from the server.
- Minimized extraneous database queries by integrating Redis as a caching layer, resulting in a single definitive database call rather than 6-7.
- Developed Flutter-based mobile and web applications with in-app purchases, provider package, GraphQL, animations, push notifications, authentication, maps, geolocation, adaptive and responsive designs. Released on Play and App Store, Integrated auth, db, cloud fn, services using GCP.

Paxcom
Position: Software Engineer   May 2019 - Oct, 2019

- Decreased the load on the node server backend as it was being used for heavy CPU computations using a load balancer and distributed equal load on 2 separate microservices.
- Achieved a 27% decrease in server expenses by transitioning from a monolithic architecture to deploying numerous microservices, coupled with the integration of automated scaling and efficient traffic management.

Block8
Position: Software Engineer   May 2018 - May 2019

- Optimized a Node.js web application's performance by refining database queries, significantly improving runtime efficiency

Projects

- **MyStake:** Enhanced transaction speed by 20% and security of a blockchain-based platform that facilitates real-time share trading in Australia by improving database queries. i.e Instead of joining first performed selection operation and then join operation.

- **Paxcom:** Reduced the memory usage by 70% of a CPU-intensive task of Excel to HTML conversion in Node.js by architecting a dedicated microservice separately for it.