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, JavaScript,TypeScript

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

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++

Work Experience Total Work Exp: 5 years

MonkAI Technologies

Position: Co-Founder (Startup) Oct 2022 - Present

- 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.
- Worked on an AI based interface of ChallanGPT called vidurGPT

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.

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.