

Darshan Sharma

+91-7009746321 thedarshansharma@gmail.com darshan.sh

Education

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

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 (5+ Years)

MonkAI Technologies

Position: Senior Software Engineer

May 2020 - Dec 2023

- Reduced 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.
- Reduced DB expenses by 10% by integrating Redis as a caching layer, resulting in a single definitive database call rather than 6-7 heavy Mongo calls.
- Developed Flutter-based mobile and web applications with in-app purchases, provider packages, GraphQL, animations, push notifications, authentication, maps, geolocation, and 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 by 34% as it was being used for heavy CPU computations like image processing, and CSV to HTML conversion using a RabbitMQ as a load balancer.
- Achieved a 27% decrease in server expenses by transitioning from a monolithic to microservices, used RabbitMQ for load distribution, 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.