Darshan Sharma

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Education

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

Skills

Web: HTML5, CSS3
Frameworks: React.Js, Express **Node.Js**, Nest.Js, **Flutter**
Tech Stack: MERN, LAMP, PERN
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 Dart, **JavaScript**, TypeScript

Work Experience (5+ Years)

MonkAI Technologies **Position: Senior Software Engineer** **May 2020 - Dec 2023**

- Improved video player load time in the app feed by pre-loading just 25% of the content, fetching the rest only after 90% viewership of the initial segment, guided by user data analysis.
- 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 7-9 Flutter mobile and web apps featuring in-app purchases, animations, push alerts, auth, and maps. Launched on Play/App Store, leveraging Firebase for auth, database, and GCP cloud functions..

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 2019 - May, 2019**

- Boosted a Node app's speed by tweaking database queries, markedly enhancing its operational efficiency.

Projects

- **MyStake:** Reduced loading time of web page by 20% by optimizing database queries, specifically by selecting before joining operations.
- **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