

# Miad Abdi

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## Back-end Developer

### Professional Summary

Backend developer skilled in Node.js with 3 years of professional experience in the industry, crafting robust server-side applications and APIs. Deep understanding of back-end architecture, Proficient in database integration, to optimize data handling and storage. Committed to delivering scalable and optimized services. Keen to learn and face challenges.

### Work History

#### **Back-end Developer @ RoyalVision, Jul 2021 – Present** (full time – remote)

- Boosted analytic queries' performance by 300% to handle large datasets
- Reduced database round trips by 50% through implementing Redis caching in high-frequency API calls
- Made optimal backend design and streamlined database structures for large-scale data-driven projects
- Revised the overall architecture of previous projects, resulting in improved modularity and enhanced codebase maintainability.

### Skills

- Programming Languages: JavaScript (Node.js), Python
- Backend Frameworks: ExpressJs, NestJs
- Databases: PostgreSQL, Oracle DB, MongoDB
- ORM: TypeORM, Prisma, DrizzleORM
- Deployments: PM2, Docker
- Message Brokers: RabbitMQ
- Full-text search and log aggregation: Elasticsearch
- Video Processing: WebRTC, FFMPEG, HLS, RTMP
- Operating Systems: Linux
- Version Control: Git, GitHub/GitLab

### Projects

#### **Streamy, Video Sharing Platform – [GitHub](#)**

Streamy is a backend application which allows users to create channels, upload videos, comment, and watch live streams. It uses ffmpeg for video transcoding and SRS media server for live streaming.

Technologies used:

- NestJs as framework
- PostgreSQL As the main database of the app
- RabbitMQ to queue long running video processes
- SRS Media Server (WebRTC): Live streaming using WebRTC and RTMP
- FFMPEG used to run video transforming to HLS

### Education

#### **Bachelor's degree of Computer Engineering – Jul 2024**

Shamsipour University – Iran, Tehran

#### **Associate's degree of Computer Engineering – Jul 2022**

Shamsipour University – Iran, Tehran