Sathish Kumar

Backend Engineer

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Professional Summary

Backend Developer with 4+ years of experience building scalable, high-performance backend systems across Banking, OTT/IPTV, and Healthcare domains. Strong expertise in Node.js, Express.js, MongoDB, Kafka, and AWS cloud services. Proven ability to design microservices architectures, optimize API performance, resolve critical production issues, and deliver secure, scalable solutions in fast-paced environments.

Technical Skills

Languages	JavaScript, TypeScript
Backend Development	Node.js, Express.js, RESTful APIs, Microservices Architecture
Databases	MongoDB, MySQL, Elasticsearch, ClickHouse, PostgreSQL
Messaging & Streaming	Apache Kafka, Zookeeper
Cloud & DevOps	AWS (EC2, ECS, Lambda, S3), Docker, CI/CD Pipelines
Monitoring & Scheduling	Grafana, Kfuse, Airflow, Cron Jobs
Tools	Git, GitHub, Jira, Postman, WebStorm, Linux

Professional Experience

Metaz Digital Pvt Ltd – Client: Vymo Technologies   Jan 2024 – Jan 2026
Backend Developer

- Designed and developed scalable RESTful APIs for banking clients (HDFC, Indostar) handling high-volume financial transactions.
- Architected microservices-based backend systems to improve scalability, modularity, and independent deployments.
- Optimized API response time through database indexing, query tuning, and performance monitoring.
- Implemented secure authentication and authorization using token-based mechanisms.
- Integrated third-party payment gateways ensuring secure and reliable transaction processing.
- Deployed and maintained services on AWS (EC2, ECS, Lambda, S3) with high availability and fault tolerance.
- Provided production support, root cause analysis, and quick resolution of critical issues.

Infynect Labs Pvt Ltd   Sep 2022 – Oct 2023
Backend Developer

- Developed backend services for IPTV and OTT platforms supporting large concurrent user traffic.
- Designed and maintained APIs for subscription management, authentication, and content delivery.
- Integrated DRM systems, CDN providers, SMS gateways, and transcoder services for seamless streaming.
- Built automated video processing pipelines using FFMPEG for multi-format adaptive streaming.
- Implemented CI/CD pipelines to streamline build, testing, and deployment processes.
- Collaborated with frontend, DevOps, and QA teams to ensure stable production releases.

Aquity Solutions Pvt Ltd   Jun 2020 – Jan 2022
Junior Software Engineer – Backend

- Developed and maintained backend APIs for healthcare web and mobile applications.
- Designed database schemas and optimized queries for efficient medical data processing.
- Implemented data migration scripts and automated reporting solutions.
- Assisted in production monitoring, debugging, and performance improvements.
- Contributed to backend automation reducing manual operational workload.

Education

B.E. Computer Science and Engineering   2017 – 2019
Adithya Institute of Technology, Coimbatore

Diploma in Computer Science and Engineering   2013 – 2016
Muthayammal Polytechnic Institution, Namakkal