

Jatin Singh

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PROFESSIONAL SUMMARY

Node.js Backend Developer with **8+ years of experience** building scalable, high-performance server-side applications. Strong expertise in **event-driven architecture, REST APIs, PostgreSQL, SQL optimization, and system scalability**. Proven experience in backend development, database design, performance tuning, and CI/CD workflows. Comfortable working in fast-paced production environments and owning systems end-to-end.

TECHNICAL SKILLS

Backend & Languages

Node.js, JavaScript (ES6+), TypeScript, Core PHP

Architecture & Messaging

Event-Driven Architecture, Apache Kafka, Asynchronous Processing, Message Queues, REST APIs

Databases & Storage

PostgreSQL, MongoDB, ScyllaDB, SQL, Database Design, Indexing, Query Optimization, Key-Value Stores, Blob Storage

Cloud & AWS Services

AWS API Gateway, AWS Secrets Manager, Amazon S3, SNS, SES

Frontend (Working Knowledge)

HTML5, CSS3

DevOps & Tools

Git, CI/CD Pipelines, **Argo CD (usage & release workflows)**, GitOps (collaboration), **Grafana (Logging & Monitoring)**, Performance Monitoring, Debugging

Concepts & Practices

System Design, Scalability, Security Best Practices, Data Protection, Code Reusability, Testable Code

PROFESSIONAL EXPERIENCE

Senior Backend Developer / Team Lead

Appinventiv – Noida, India

Feb 2021 – Present (5+ Years)

- Architected and developed **scalable Node.js backend systems** for high-traffic applications serving millions of users.
 - Implemented **event-driven architecture** using **Apache Kafka**, designing producers and consumers for asynchronous, real-time, and distributed processing.
 - Worked with **Kafka topics, partitions, consumer groups, offsets, retries, and idempotent producers** to ensure reliable message delivery.
 - Designed fault-tolerant messaging workflows using **retry mechanisms and dead-letter handling** to prevent data loss.
 - Designed and optimized **PostgreSQL databases**, including schema design, indexing strategies, query optimization, and transaction handling.
 - Built secure, high-performance **REST APIs** ensuring low latency and high availability.
 - Led performance tuning initiatives across backend services, reducing response times and improving system stability.
 - Worked within **GitOps-based deployment workflows using Argo CD**, collaborating closely with DevOps teams for application releases.
 - Supported **zero-downtime deployments** by ensuring backend services were compatible with rolling updates and controlled release strategies, maintaining uninterrupted production availability.
 - Built and integrated backend services with **AWS API Gateway** for secure and scalable API exposure.
 - Managed sensitive configuration using **AWS Secrets Manager** for secure credential storage.
 - Implemented file and object storage solutions using **Amazon S3**.
 - Integrated **AWS SNS and SES** for notification, messaging, and transactional email workflows.
 - Ensured backend security, data protection, and compliance with best practices.
 - Mentored junior developers, conducted code reviews, and enforced clean coding standards.
 - Collaborated closely with frontend, product, and DevOps teams to deliver end-to-end solutions.
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Backend Developer

Webkul – Noida, India

May 2019 – Jan 2021 (1.9 Years)

- Developed and maintained **Node.js and backend services** for enterprise and e-commerce platforms.
 - Designed relational database models and optimized SQL queries for performance and scalability.
 - Integrated third-party services and multiple data sources into backend systems.
 - Improved application reliability through structured debugging, logging, and monitoring.
 - Worked closely with frontend teams to integrate user-facing components with server-side logic.
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PHP / Backend Developer

Devicedisk – Delhi, India

Jul 2017 – Apr 2019 (2 Years)

- Designed and developed backend features for web applications in a fast-paced environment.
 - Maintained and enhanced existing applications by fixing bugs and improving performance.
 - Implemented database-driven features and contributed to backend architecture planning.
 - Supported early backend scalability and performance improvements.
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EDUCATION

Bachelor of Technology (B.Tech) – Computer Science & Engineering

Teerthanker Mahaveer University, Moradabad, UP | 2017

Intermediate (Science) – 2013

Udaya Public School, Faizabad, UP

High School Diploma – 2011

K.T. Public School, Faizabad, UP

KEY LIVE PROJECTS

TOKI – Mongolian Super App (Payments & Multi-Service Platform)

- Core backend contributor for **TOKI**, a large-scale Mongolian super app offering **digital payments and multiple consumer services** on a single platform.
- Designed and developed **scalable Node.js microservices** to support high transaction volume and concurrent users.
- Implemented **event-driven architecture using Apache Kafka** to handle payment events, service workflows, notifications, and asynchronous processing.
- Built secure and high-performance **REST APIs** exposed via **AWS API Gateway**.
- Designed and optimized **MongoDB schemas** for core application data and used **ScyllaDB** for high-throughput storage of real-time user location data and notification-related actions.
- Used **Amazon S3** for secure storage of documents, receipts, and media assets.
- Managed sensitive credentials and configuration using **AWS Secrets Manager**.
- Integrated **AWS SNS** for real-time notifications and **AWS SES** for transactional emails.
- Implemented centralized **logging and monitoring using Grafana**, enabling real-time visibility into application health and faster production issue resolution.
- Leveraged **ScyllaDB (Cassandra-compatible)** for low-latency, high-write workloads such as live user location tracking and notification triggers.
- Focused on **system scalability, fault tolerance, and performance optimization** in a production environment.

- Collaborated closely with cross-functional teams (frontend, product, QA, DevOps) to deliver stable and secure releases.
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ADDITIONAL INFORMATION

- Strong problem-solving and analytical skills
 - Extensive experience in performance tuning and optimization
 - Proven team leadership and mentoring abilities
 - Languages: English, Hindi
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Declaration: I hereby declare that the above information is true to the best of my knowledge.