Ashish Arora

Software Developer

Experienced backend developer with 2+ years of expertise in building scalable and reliable backend systems. Skilled in enhancing system performance, ensuring security, and delivering high-quality solutions aligned with business objectives. Proven ability to collaborate across teams to meet project deadlines, optimize processes, and achieve successful outcomes.

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WORK HISTORY

Software Engineer
Nagarro

07/2020 - Present   *Gurugram*

Achievements/Tasks

- Engineered middleware to synchronize **~1 million records daily** across multiple systems, achieving a **30% improvement in synchronization speed**.
- Built an automated failure reporting service, sending **daily reports for up to 24 errors**, increasing issue resolution efficiency.
- Automated archival of older records, boosting SQL query performance by **40%** and reducing latency in operational tasks.
- Migrated **10+ legacy services** to newer versions, enhancing reliability and ensuring **100% compatibility** with modern systems.
- Performed SQL database cleanup and optimization, reducing query response time by **35%** and cutting operational costs.
- Managed **15+ services daily**, executing SQL queries that improved system analysis and enhanced performance metrics.
- Designed backend features for an iOS app, enabling **PDF generation** and email delivery with **AWS SES**, improving user engagement.

SDE Intern
Enuke Software

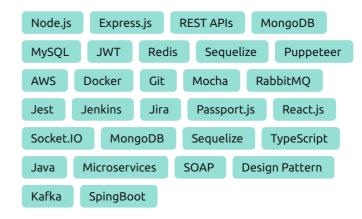*02/2021 - 07/2021*   *Gurugram*

Achievements/Tasks

- Developed RESTful APIs using **Express.js** for handling HTTP requests and routing.
- Implemented **authentication and authorization mechanisms** (OAuth, JWT).
- Built custom middleware for **logging, authentication, and error handling**, reducing response time by **15%** and improving system monitoring.
- Documented technical specifications and API usage guidelines.

EDUCATION

B. Tech
Bharati Vidyapeeth's College of Engineering

08/2018 - 08/2022   *Delhi*

SKILLS

Node.js Express.js REST APIs MongoDB

MySQL JWT Redis Sequelize Puppeteer

AWS Docker Git Mocha RabbitMQ

Jest Jenkins Jira Passport.js React.js

Socket.IO MongoDB Sequelize TypeScript

Java Microservices SOAP Design Pattern

Kafka SpingBoot

PROJECTS

Quick Shop Inventory House
- Orchestrated database schema design for tracking inventory levels across 500+ product types, reducing stock discrepancies by 35%.
- Streamlined API integration with third-party suppliers, cutting update delays by 40% and improve restocking efficiency.
- Implemented role-based access control (RBAC), ensuring secure data access and reducing unauthorized access attempts by 30%.
- Optimized batch processing algorithms, improving large-scale inventory updates' efficiency by 25%.
- Integrated data visualization dashboards, enhancing analytics accuracy and decision-making for warehouse managers.
- Crafted a comprehensive error-handling system, increasing system uptime and improving user experience by 30%.

Learn To Grow
- Designed a user registration module, scaling to support 50K+ students while reducing login failures by 40%.
- Integrated course recommendation algorithms, increasing user course engagement by 20%.
- Developed a progress-tracking API, improving student performance tracking and boosting retention rates by 30%.
- Created caching strategies using Redis, cutting API response times by 50%.
- Enhanced security protocols, reducing data breach vulnerabilities by 25%.

CERTIFICATIONS

Node.js Learning ⧉

Building REST APIs with Node.js and Express.js ⧉

Serverless and Microservices for AWS ⧉

MySQL Essential Training ⧉