Shivam Chaudhry

Software Engineer | Backend Development | Cloud Solutions

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Professional Summary

Results-driven Backend Developer with 5+ years of experience in designing and implementing scalable microservices and cloud-based solutions. Proficient in Node.js, AWS, and advanced database management including MySQL optimization and sharding. Specialized in fintech applications with expertise in message brokers and security implementation. Adept at collaborating with cross-functional teams to drive product innovation and technical excellence.

Technical Skills

Programming Languages

- JavaScript/Node.js (Expert)
- SQL (Advanced) - Specialized in MySQL optimization
- Python (Intermediate)

Technologies & Frameworks

- **Backend**: Express.js, NestJS, RESTful APIs, GraphQL
- **Frontend**: ReactJS
- **Databases**: MySQL (Sharding, Deadlock Handling, Query Optimization), MongoDB, Redis
- **Cloud & DevOps**: AWS (Lambda, EC2, S3, RDS), Docker, Git/GitHub
- **Message Brokers**: Kafka, RabbitMQ
- **Testing**: Jest, Mocha, Chai
- **Security**: VAPT, SQL Injection Prevention, Audit Logging
- **IDE & Tools**: Windsurf IDE, Visual Studio Code

Professional Experience

Professional Consultant (Fintech - Mutual Funds)

Independent Consultant

- Implementing advanced MySQL optimization strategies including query tuning and sharding architecture, reducing database response time by 50%
- Designing and implementing comprehensive audit logging systems for financial transactions, ensuring compliance with regulatory requirements
- Developing MySQL deadlock handling mechanisms, reducing system failures by 90%
- Conducting VAPT (Vulnerability Assessment and Penetration Testing) and implementing fixes, strengthening system security against common threats
- Building robust SQL injection prevention techniques, eliminating security vulnerabilities
- Orchestrating message processing using Kafka and RabbitMQ for real-time financial data processing
- Managing Redis for high-performance caching, improving application response time by 40%

Apr 2022 - Oct 2023

Backend Developer

InnovationM, Noida

- Spearheaded the development of a fintech platform serving 50,000+ monthly active users, reducing API response time by 40% through optimized database queries and caching strategies
- Designed and implemented microservices architecture using Node.js and Kafka, improving system scalability and enabling seamless handling of 10,000+ concurrent transactions
- Led the migration of legacy systems to AWS cloud infrastructure, reducing operational costs by 35% while improving system reliability
- Implemented CI/CD pipelines using GitHub Actions, reducing deployment time by 60%
- Mentored 3 junior developers, improving team productivity by 25%

Sep 2021 - Apr 2022

Backend Developer

Velocis System Private Limited, Noida

- Developed core modules for an E-procurement platform serving 100+ enterprise clients
- Implemented secure authentication system using JWT and OAuth 2.0, reducing security vulnerabilities by 90%
- Optimized database queries, improving API response times by 50%
- Conducted code reviews and implemented coding standards, reducing production bugs by 40%
- Led the Device Inventory Management System project (Mar 2020 - Sep 2020)
  - Developed a comprehensive inventory management system for tracking 1000+ company assets
  - Implemented real-time tracking features, reducing asset misplacement by 70%
  - Created automated reporting system, saving 15+ hours of manual work monthly

Education

Jun 2018 - Oct 2020

Master of Computer Applications (MCA)

Dr. A.P.J. Abdul Kalam Technical University

GPA: 7.5/10

Jul 2013 - Jun 2016

Bachelor of Computer Applications (BCA)

Institute of Technology and Science, Ghaziabad

Percentage: 76%

Certifications

- AWS Certified Developer - Associate (In Progress)
- MongoDB Certified Developer (2023)

Projects

Mutual Funds Investment Platform

- Built a comprehensive mutual funds investment platform using Node.js, WebSockets, and Redis
- Implemented transaction processing engine handling 1000+ investment orders per day
- Integrated with multiple financial data providers for real-time NAV and fund performance data

API Gateway Service

- Developed a scalable API Gateway using Node.js and Express
- Implemented rate limiting, authentication, and request validation
- Reduced API response time by 30% through caching and load balancing

Achievements

- Speaker at local tech meetups on Microservices and Cloud Architecture