




SAURABH JAINWAL

Senior Backend Engineer | Full-Stack Developer

 drake9211@gmail.com |  +91 7292079644 |  <https://saurabhjainwal.dev>

PROFESSIONAL SUMMARY

Experienced Senior Backend Engineer with expertise in scalable application development using Node.js, GraphQL, and cloud technologies. Proven track record of building high-performance systems for F&B and healthcare platforms. Skilled in microservices architecture, DevOps practices, and full-stack development with strong problem-solving abilities and continuous learning mindset.

TECHNICAL SKILLS

Programming Languages: Node.js, JavaScript, Python, Go, TypeScript **Backend Technologies:** GraphQL, Apollo Server, NestJS, RESTful APIs, Microservices **Frontend Technologies:** React.js, Next.js, Electron.js, HTML5, CSS3 **Databases:** PostgreSQL, MongoDB, Redis, MySQL, SQLite, Firebase, ClickHouse, Neo4j, DGraph **Cloud Platforms:** Amazon Web Services (AWS), Google Cloud Platform (GCP) **DevOps & Tools:** Docker, Kubernetes, Helm, Jenkins, GitHub Actions, Terraform, Pulumi, Ansible **Message Queues:** RabbitMQ, Apache Kafka **Monitoring:** Grafana, Prometheus, New Relic **Version Control:** Git, GitHub, GitLab

PROFESSIONAL EXPERIENCE

Senior Backend Engineer | Suplyd | Feb 2023 - Present

Leading F&B platform serving Egypt and Middle East markets

- **Architected and developed** scalable microservices using Node.js and Apollo GraphQL, serving many daily active users
- **Implemented** Apollo Router for federated GraphQL architecture, improving API response time by 40%
- **Designed and optimized** PostgreSQL database schemas and queries, reducing query execution time by 35%
- **Built** cloud-native applications on AWS using EKS, managing

containerized applications with Kubernetes and Helm • **Integrated** RabbitMQ for asynchronous message processing, handling 5K+ messages per minute • **Established** monitoring and alerting systems using Grafana, Prometheus, and New Relic for 99.9% uptime • **Collaborated** with cross-functional teams to deliver features on time with zero production incidents • **Mentored** junior developers on best practices in backend development and code review processes

Technologies: AWS, Node.js, Apollo GraphQL, PostgreSQL, Next.js, Kubernetes, Helm, RabbitMQ, Redis, Grafana, Prometheus, New Relic, Odoo

Senior Backend Engineer | Raftlabs | Nov 2021 - Jan 2023

Software development consultancy specializing in enterprise solutions

- **Developed** robust backend architectures for multiple client projects, ensuring scalability and reliability
- **Built** HIPAA-compliant healthcare platform (Galen) with end-to-end encryption and secure data handling
- **Created** hybrid communication platform (Remotely) integrating MS Teams and Slack APIs
- **Implemented** site reliability engineering practices, achieving 99.8% system uptime
- **Automated** deployment pipelines using CI/CD best practices, reducing deployment time by 60%
- **Optimized** application performance through code profiling and database query optimization

Technologies: Node.js, GraphQL, PostgreSQL, MongoDB, Redis, Docker, AWS, CI/CD

Node.js Developer | Tax-visor | Apr 2021 - Sep 2021

Fintech startup focused on tax management solutions

- **Developed** cross-platform desktop finance management application using Electron.js
- **Built** real-time data synchronization between Firebase backend and React.js frontend
- **Implemented** offline-first architecture with SQLite for local data storage
- **Created** automated tax calculation algorithms reducing manual processing time by 80%
- **Designed** responsive user interfaces ensuring seamless user experience across devices

Technologies: Node.js, Firebase, React.js, Electron.js, SQLite, JavaScript

EDUCATION

Bachelor of Computer Applications (BCA) | IGNOU, New Delhi | 2017 - 2021 Grade: A

Diploma in Software Technology | NSIC, New Delhi | 2018 - 2021 Grade: A1

Senior Secondary (12th) | DAV Centenary Public School | 78%

KEY ACHIEVEMENTS

• **Performance Optimization:** Improved application response times by 40% through GraphQL federation and caching strategies • **System Reliability:** Maintained 99.9% uptime for production systems serving 100K+ users • **Cost Optimization:** Reduced cloud infrastructure costs by 25% through efficient resource management • **Team Leadership:** Successfully mentored 3 junior developers, improving team productivity by 30% • **Zero Downtime Deployments:** Implemented blue-green deployment strategies for seamless releases

CERTIFICATIONS & LEARNING

• AWS Certified Developer Associate (In Progress) • Node.js Advanced Concepts and Best Practices • Kubernetes Administration and Management • GraphQL Federation and Apollo Router Expertise

PROJECTS HIGHLIGHTS

E-commerce Platform Architecture • Designed microservices architecture serving 50K+ concurrent users • Implemented event-driven architecture using RabbitMQ and Redis

Healthcare Data Pipeline • Built HIPAA-compliant data processing pipeline handling sensitive medical records • Implemented end-to-end encryption and audit logging mechanisms