

# Shubham Soni

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## SUMMARY:

Senior Staff Software Engineer with 11+ years of experience building scalable SaaS backend platforms using TypeScript, Node.js, PostgreSQL, and AWS. Strong expertise in API-driven architectures, distributed systems, and infrastructure as code (Terraform). Experienced in leading cross-functional teams, improving system reliability and observability, and shipping production-grade services used by global users. Passionate about building resilient, secure, and developer-friendly platforms at scale.

## SKILLS:

- **Backend:** TypeScript, Node.js, NestJS, Express, REST APIs, OpenAPI
- **Databases:** PostgreSQL, MySQL, DynamoDB, Redis, Firebase
- **Cloud & Infrastructure:** AWS (Lambda, API Gateway, SQS, S3, Aurora RDS, ECS, EC2, CloudWatch, X-Ray), Terraform, Docker, Kubernetes
- **Architecture:** API-based services, Serverless, Microservices, Event-driven systems, High availability, Idempotency, Saga Pattern
- **Reliability & DevOps:** CI/CD (Bitbucket, CodeBuild), Observability, Logging, Monitoring, Deployment automation

## EXPERIENCE:

**Nagarro Software** — Jaipur, India — *February 2026 – Present*

Senior Staff Engineer

- Built a DLQ redrive service using Durable Lambda executions to move messages from DLQs to source or target SQS queues with support for filtering, transformation, and rate limiting.
- Designed and implemented an Istio-based shadow traffic solution to safely test production workloads, enabling real-world validation while minimizing risk, and provided actionable metrics to the development team for performance tuning and issue resolution.
- Built a wallet service for a gaming platform enabling users to claim and manage mission-based rewards, leveraging EventBridge and SQS for scalable batch processing of multi-reward missions.

**Publicis Sapient** — Gurugram, India — *June 2023 – February 2026*

Lead Software Engineer

- Designed and implemented API-driven backend services using TypeScript, Node.js, and PostgreSQL, optimizing schema design, indexing, and query performance to reduce latency by 30%+.
- Architected an organization-wide event-driven workflow platform using EventBridge + SQS, reducing service coupling and improving system resilience across teams.
- Provisioned AWS infrastructure using Terraform, enabling repeatable staging and production environments with improved deployment consistency.
- Led caching and routing strategy decisions (CloudFront, API Gateway), balancing freshness vs performance and reducing peak latency significantly.
- Enforced structured logging, distributed tracing (X-Ray), and CloudWatch monitoring to improve observability and reduce mean time to resolution.
- Created secure authentication and authorization flows (JWT, RBAC), enforced IAM least-privilege policies, and implemented encryption at rest/in transit.
- Participated in production incident response, root-cause analysis, and postmortems, driving reliability improvements across services.
- Led cross-functional collaboration with frontend (React/Angular), Product, and DevOps teams to define API contracts and improve end-to-end performance.
- Mentored engineers on system design, production readiness, and operational excellence.

**MavQ** — Jaipur, India — *October 2020 – May 2023*

Lead Software Development Engineer

- Developed high-throughput async processing systems (~5M tasks/month) using Redis-backed queues with strong idempotency, retry control, and failure isolation.
- Led architecture and optimization of large-scale data pipelines (10+ TB), balancing cost, throughput, and reliability.
- Improved API and chatbot performance by redesigning request flows and introducing caching and concurrency controls.
- Designed and maintained PostgreSQL-backed services with optimized queries, transactions, and indexing strategies.
- Automated containerized deployments using Kubernetes and GitLab CI/CD, achieving 99.9% uptime across environments.
- Served as technical owner for critical production releases, ensuring stability, observability, and rollback readiness.

**Nagarro Software Pvt Ltd** — Jaipur, India — *April 2019 – September 2020*

Senior Associate Engineer

- Improved platform reliability by introducing centralized logging and observability using Elasticsearch and Kibana, reducing incident resolution time by ~35%.
- Rebuilt chatbot backend workflows to improve automation and reduce manual intervention.
- Identified and resolved production API bottlenecks, improving throughput and system stability.

**Endive Software Pvt Ltd** — Jaipur, India — *May 2018 – March 2019*

Senior Development Engineer

- Designed secure, HIPAA-compliant backend systems with strong access controls, auditing, and encryption.
- Built complex billing and payment workflows integrating Stripe, improving financial accuracy and operational efficiency.
- Contributed to backend improvements in blockchain-based payment systems while maintaining transaction security and reliability.

**Iconma LLC** — Jaipur, India — *October 2017 – April 2018*

Software Developer

- Integrated WebRTC-based audio/video communication, increasing engagement on an e-learning platform by 45%.
- Automated HR and payroll workflows, significantly reducing manual effort and errors.

**RG Infotech** — Jaipur, India — *July 2015 – September 2017*

Associate Software Engineer

- Built a real-time vehicle reservation and dispatch system, reducing booking delays by 50%.
- Designed scheduling and reminder systems integrated with Google Calendar.
- Developed a 3D customization tool for e-commerce, improving conversion and user engagement.

**EDUCATION:**

- B.Tech (Computer Science) — Rajasthan Technical University, India | *June 2015* | 69.8%
- 10th — Rajasthan Board | *July 2009* | 81.67%
- 12th (PCM) — Rajasthan Board | *May 2011* | 67.69%

**CERTIFICATIONS & HONORS:**

- AWS Certified Developer – Associate — *June 2024*
- Google Associate Cloud Engineer — *July 2021*
- Excellence Award, MTX Group — *October 2020*