Shashank Singh

Full Stack Software Engineer | Node.js, TypeScript, Go, AWS

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PROFESSIONAL SUMMARY

Backend Software Engineer with 3+ years of experience building Node.js, TypeScript and Go services for national-scale government and fintech platforms. Experienced in microservices, event-driven systems on AWS, RESTful API development, secure identity and access management, and database optimization, with ownership from design to production. Immediate joiner.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Go, SQL
Frameworks and Runtimes: Node.js, Express.js, React.js
Architecture: RESTful API design, Microservices, Event-driven architecture, Distributed systems, Message queues, Caching, WebSockets
Databases: PostgreSQL (Aurora), DynamoDB, MongoDB, MySQL, Redis, Indexing, Query optimization
Cloud and DevOps: AWS Lambda, SQS, S3, API Gateway, Cognito, Rekognition, CDK, GitHub Actions, CI/CD, Infrastructure as Code
Security and Testing: OAuth 2.0, JWT, Keycloak, RBAC, Jest, Mocha, Unit testing, SonarQube, Git, Agile/Scrum

PROFESSIONAL EXPERIENCE

Backend Software Engineer, MoneyMul Technology Pvt. Ltd. | May 2024 - Sep 2026

NPS - National Pension Scheme (Government project)
PFRDA-regulated retirement onboarding platform for a Central Recordkeeping Agency, with partner banks onboarding subscribers.

- Took over and maintained Go backend services for subscriber registration journeys after knowledge transfer, while contributing to ongoing feature development.
- Diagnosed and fixed defects across registration, KYC, OTP validation and resume-journey flows, improving reliability of the onboarding funnel.

UtsavWale - Serverless Facial Recognition Platform (In-house product)
Event-photography platform where guests find their own photos; uploads are matched to faces asynchronously.

- Architected an event-driven processing pipeline on AWS Lambda, SQS and Rekognition with fan-out workers and dead-letter queues, sustaining reliable throughput at peak load.
- Reduced cloud infrastructure cost by 70 percent through S3 lifecycle policies and DynamoDB and Aurora storage tiering, with no change to read latency.
- Owned infrastructure as code in AWS CDK, making Dev, UAT and Production environments reproducible in minutes instead of days.

ESign Pro - Digital Signature Platform (Government-initiated project)
Enterprise electronic signing via Aadhaar eSign and virtual DSC; legally binding documents with a verifiable audit trail.

- Built over 100 REST APIs for legally binding e-signature workflows, meeting regulatory compliance and full audit-trail requirements.
- Standardized error handling, request validation and contract testing, achieving over 90 percent Jest coverage and a 30 percent drop in production regressions.

PAN 2.0 - Income Tax Department (Government project)
National PAN issuance and KYC system providing Aadhaar-verified onboarding for citizens, under government security review.

- Led migration of the onboarding platform from a monolithic application to domain-owned microservices, reducing deployment blast radius and moving release cycles from weekly to daily.
- Designed the authorization model using Keycloak, OAuth 2.0 and JWT with fine-grained RBAC across more than 200 Aadhaar KYC endpoints; cleared a government security audit with zero critical findings.
- Reduced p95 API latency by 40 percent under high-concurrency load through Redis caching, query rewrites and composite indexing on Aurora PostgreSQL.

Backend Developer Intern, Masai School | Aug 2023 - Apr 2024

- Built a real-time video and messaging platform using WebRTC and Socket.IO, and reworked the signalling path to reduce message latency by 25 percent.

EDUCATION

B.Tech in Information Technology, Pranveer Singh Institute of Technology, Kanpur | 2019 - 2023