Ali Sadain Tanvir

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PROFESSIONAL SUMMARY

Lead software engineer with 4+ years of experience taking production systems from the first architecture decision to release, with NestJS, Next.js, React, Python, Go and .NET. Currently leads the engineering team behind a cashback platform with 50K+ users and 500+ merchants. Owns database design and tuning, Dockerized AWS deployments, GitHub Actions CI/CD, and observability with Prometheus, Grafana, Loki and Sentry. Hands-on with Stripe, bKash and SSLCommerz payments. Mentors engineers and works directly with stakeholders and international clients.

SKILLS

Languages: TypeScript, JavaScript, Go, Python, PHP, C#, Dart
Back end: Node.js, NestJS, Express.js, ASP.NET Core, FastAPI, Django, Flask, Laravel, GraphQL, WebSockets
Front end: React.js, Next.js (App Router, SSR/ISR), Redux, Zustand, TanStack Query, Tailwind CSS
Databases: PostgreSQL, MySQL, MongoDB, Redis, Prisma, EF Core (indexing, transactions, migrations)
Payments: Stripe (Checkout Sessions, PaymentIntents, Subscriptions, Webhooks), bKash, SSLCommerz
Cloud and DevOps: AWS (EC2, ECS, RDS, S3, Lambda, CloudWatch), Google Cloud, Docker, Kubernetes, Terraform, Nginx, GitHub Actions
Observability: Prometheus, Grafana, Loki, Pino (structured logging), Sentry
Architecture: System Design, Microservices, Domain-Driven Design, Event-Driven Architecture, Kafka, BullMQ
Testing: Jest, Vitest, xUnit, Testcontainers, Playwright, unit and integration testing
Others: Git, Jira (Agile/Scrum), WordPress and Shopify plugins, Agora SDK, ETL pipelines, Azure Databricks, PySpark

WORK EXPERIENCE

Yeamazing Bangladesh Limited
2025 - Present

Senior Software Engineer · Engineering Lead

- Lead the engineering team (developers and SQA), owning technical direction, sprint planning, estimation and code reviews for a cashback platform serving 50K+ users and 500+ merchants.
- Architected the backend as a modular NestJS + Prisma system using Domain-Driven Design inside a monorepo that powers three Next.js 15 applications: customer site, partner portal and admin panel.
- Redesigned the core order management system, resolving classification ambiguities and unifying business rules across all order channels.
- Own PostgreSQL schema design, indexing, Prisma migrations and transactional cashback/settlement logic; reduced p95 API latency by ~40% through query optimization and Redis caching.
- Own production delivery: Dockerized services on AWS (ECS, EC2, RDS, S3, Lambda) via GitHub Actions CI/CD with GitHub Secrets, cutting release time from hours to under 15 minutes.
- Built observability with Pino, Prometheus, Grafana, Loki and Sentry; ~50% faster incident resolution.
- Built the merchant tools of the partner portal (omnichannel inbox, AI-powered inventory management, real-time courier fraud checker, email and SMS marketing) and the WordPress and Shopify plugins for merchant stores.
- Integrated and hardened third-party services, including bKash (WSSE authentication and disbursement routing), SSLCommerz and the Skitto (Grameenphone) partner integration.

Recog Technologies
2024 - 2025

Senior Full Stack Data Engineer (Contract)

- Delivered full-stack features for client products with React.js, Next.js and Node.js, working directly with client stakeholders from requirements through release.
- Built the backend of The Gen, a doctor and patient app: live slot booking, payments, audio and video sessions on the Agora SDK and KYC, deployed on Google Cloud with CI/CD.
- Implemented **Stripe** recurring billing end to end: Checkout Sessions, PaymentIntents, subscription upgrades/downgrades and signature-verified, idempotent webhooks.
- Built ETL pipelines on Azure Databricks with PySpark, loading cleaned data from several sources into the product's MongoDB database.
- Designed REST APIs and relational schemas, backed by Jest unit and integration tests.

TIC Limited BD 2023 - 2024

Full Stack Software Engineer

- Built scalable web applications with React, Next.js, Node.js (MERN) and Laravel.
- Built Python-based ETL pipelines for large-scale data extraction, transformation and migration workflows.
- Optimized PostgreSQL, MySQL and MongoDB workloads through schema refinement, indexing and query tuning, reducing query latency by up to 25%.
- Managed Dockerized CI/CD deployments with zero-downtime releases and 99.9% uptime.
- Mentored 5 developers through structured code reviews, technical guidance and agile collaboration.

Ready Web Solution 2022 - 2024

Full Stack Web Developer (Remote)

- Delivered 20+ client web apps and sites with Node.js, React, MySQL and WordPress, some serving thousands of concurrent users.
- Took client projects from the first brief to delivery, from simple landing pages to complex, large-scale applications.
- Built custom WordPress plugins, REST APIs and third-party integrations.
- Owned features from design to deployment and championed code reviews.
- Picked up each stack the project needed, starting with WordPress in a single day.

PROJECTS

Yeamazing Platform - Website, Partner Portal and Admin Panel Live

- Cashback marketplace in Bangladesh with 50K+ users that rewards shoppers for buying from partner merchants online, in store and at restaurants: three Next.js 15 apps on one modular NestJS backend.
- Unified five order channels (merchant-site redirects with token attribution and webhook order sync, QR pay bill, restaurant pay bill, storefront and manual orders) on one order domain.
- Built the cashback engine with instant checkout discounts and refund-safe holding periods, settled through bKash and SSLCommerz.
- Partner portal: one real-time inbox for Facebook Messenger, WhatsApp and Instagram conversations, fed by a Meta webhook pipeline on BullMQ queues with live updates over WebSockets, beside AI-powered inventory management, a real-time courier fraud checker, email and SMS marketing and automatic sales reports.
- **Tech:** NestJS, Prisma, PostgreSQL, Redis, BullMQ, WebSockets, Meta Graph API, Next.js 15 (monorepo), Docker, AWS, GitHub Actions

Amar Dokandari - Point of sale and shop management

- Multi-tenant point-of-sale and shop management PWA in Bangla and English: counter sales, stock across branches, supplier purchases, customer credit and profit reports. It keeps selling offline and syncs later.
- Enforced tenant isolation with PostgreSQL row-level security and kept the books in an immutable double-entry ledger; about 150 tests drive the real API against a real PostgreSQL, with a Playwright smoke test.
- **Tech:** .NET 10, ASP.NET Core, EF Core, PostgreSQL 17, Next.js 16, TypeScript, Docker, xUnit, Testcontainers, Playwright

AdPlace360 - Classifieds marketplace Live

- Marketplace to buy, sell and rent in four countries, with 290+ categories that each define their own fields, reviewed ads, membership plans and a coin wallet.
- Paid memberships activate automatically once the EPS payment gateway verifies the payment.
- **Tech:** Laravel, MySQL

The Gen - Backend of a doctor and patient app Live

- Backend of a mobile app where patients book doctors, pay, and meet them in live audio and video sessions; built the whole backend at Recog Technologies.
- Built appointment booking with live slot scheduling, payments, call sessions on the Agora SDK, transcripts, records and KYC with real-time verification.
- Documented the API for the Flutter developer and deployed the backend on Google Cloud with CI/CD.
- **Tech:** Node.js, Express, TypeScript, Agora SDK, Google Cloud, CI/CD

EDUCATION

Varendra University 2019 - 2024

B.Sc. in Computer Science & Engineering