

Maaz Ahmed

Backend Engineer | Node.js, TypeScript and Distributed Systems

Karachi, Pakistan | +92 316 2642861 | muazahmed.dev@gmail.com

linkedin.com/in/maazzahmed | maazahmed.tech

PROFESSIONAL SUMMARY

Backend engineer with 3+ years of experience designing Node.js and TypeScript systems for multi-tenant SaaS, marketplaces, live mobility, bookings, learning, social, and financial applications. Built ledgers, wallets, escrow and Stripe Connect flows; Redis, BullMQ, and NATS background processing; Socket.IO services; and Twilio telephony automation. Owns backend delivery from architecture and data modeling through deployment and production debugging, with working full-stack experience in React and Next.js.

TECHNICAL SKILLS

Languages and Backend: TypeScript, JavaScript, Node.js, NestJS, Express.js, REST APIs, WebSockets, Socket.IO, microservices

Data, Real-Time and Messaging: PostgreSQL, MongoDB, MySQL, Redis, Redis GEO, BullMQ, NATS, Pub/Sub, queues, caching, database indexing

Payments: Stripe, Stripe Connect, PayPal, Razorpay, Telegram Stars, wallets, double-entry ledgers, escrow, webhooks, subscriptions, crypto payments

Cloud and DevOps: AWS (EC2, S3), Azure, Docker, Nginx, GitHub Actions, CI/CD, PM2, Linux, Railway, Heroku, Vercel

Frontend and Data Access: React.js, Next.js, TypeORM, Prisma, Mongoose, Sequelize

Integrations and Testing: Twilio, third-party APIs, webhooks, k6, Postman, Git

WORK EXPERIENCE

Full Stack Engineer (Backend and Platform Focus) - Dexnive (formerly Launchbox)

Sep 2025 - Present | Karachi, Pakistan

- Build backend platforms from scratch for production enterprise SaaS, marketplace, mobility, dating, and social products, owning architecture, data models, APIs, event-driven services, cloud deployments, and operational tooling.
- Mentor 2 junior engineers through code reviews, debugging, and backend design decisions.

Key Systems:

- **ResVor** - Designed marketplace financial infrastructure covering customer and vendor wallets, double-entry ledgers, escrow, platform commissions, delayed settlement, disputes, withdrawals, wallet top-ups, subscriptions, and Stripe Connect onboarding and payouts; added idempotent webhooks and auditable transaction records.
- **Enterprise Lead-Generation SaaS** - Built a Socket.IO chat microservice and multi-tenant communication workflows with Redis, BullMQ, NATS, and Twilio across 4+ dashboards, including asynchronous provisioning of phone numbers, SMS routes, and tenant resources.
- **Background Processing** - Implemented capacity-aware lead assignment, retries, delayed jobs, and dead-letter handling for campaigns, notifications, telephony operations, and payment disbursements.
- **EpicRides** - Built the backend from scratch for a US ride-sharing platform generating \$5K+ monthly recurring revenue, covering private rides, carpooling, booking lifecycles, driver operations, wallets, subscriptions, ride earnings, payments, admin controls, and audit logging.
- **Real-Time and Concurrency** - Designed Redis GEO driver discovery, weighted carpool ranking, ride caching, and locking to prevent duplicate ride claims and seat overbooking; built Socket.IO trip workflows and validated APIs with k6 and Postman.
- **BRU** - Built the backend from scratch for a location-aware dating platform that lets people discover and match with nearby users within a configured radius.
- **TopX** - Built the backend from scratch for an organized social platform where users can group category-specific pages into collection-style spaces.

Full Stack Engineer - Axsonstech

Dec 2024 - Sep 2025 | Karachi, Pakistan

- Built backend systems from scratch for marketing marketplace, live transportation, sports booking, and learning products while guiding technical decisions within a 3-4 engineer delivery team.

Key Systems:

- **AdStreet** - Built the full backend for a marketing marketplace connecting brands, marketers, agencies, vendors, events, training, industry content, and advertising services.
- **PakBus** - Built the backend from scratch for a Pakistan-focused live bus-tracking platform, modeled around the Track My Train concept.
- **Padel Court Booking** - Built the backend from scratch for a padel-court booking platform, establishing the core data model and booking workflow.
- **OTT Learning Platform** - Built and deployed the backend for a learning-focused OTT platform, including BullMQ media-processing jobs, analytics, and CI/CD.

Full Stack Engineer - Digitlconiq

Jun 2023 - Dec 2024 | Karachi, Pakistan

- Progressed from Telegram bot automation to full-stack product delivery and later team leadership, building Node.js and React systems for client businesses and an internal classifieds marketplace.
- Served as the primary backend engineer for eSIM sales, membership, and Nepal train-booking products, designing MongoDB schemas, REST APIs, authentication, business logic, and production deployments on Heroku and Railway.
- Integrated Stripe, PayPal, Razorpay, Telegram Stars, and cryptocurrency payments using USDT, ETH, and SOL, including internal wallet and transaction workflows.

OPEN SOURCE CONTRIBUTIONS

- **Mongoose 8.15** - Contributed requireFilter through [merged PR #15402](#), extending empty-filter protection across eight update and delete operations and authoring 56 tests for query chaining and \$and, \$or, and \$nor edge cases; 329 query tests passed against MongoDB 8.0.4.

EDUCATION

- **Bachelor of Science in Software Engineering** - Virtual University of Pakistan | Expected 2030
- **Diploma in Software Engineering** - Aptech Computer Education | 2024