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Reza Enayati

Senior backend engineer with 6+ years shipping production Node.js / TypeScript systems for European and Iranian companies. Recent focus: LLM-powered features on Azure OpenAI, MongoDB performance work, and migrating monoliths to clean-architecture / DI-based services. Comfortable owning a backend area end-to-end and tech-leading a small team.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (Node.js 18/20), Lua (atomic Redis scripts); familiar with Go.

Backend & architecture: Node.js, Express 5, Nest.js, AWS Lambda (Serverless), microservices, clean architecture, dependency injection (Inversify, decorators), BullMQ, worker & cron pipelines.

AI / LLM: OpenAI SDK, Azure OpenAI (multi-deployment with region failover), structured output / JSON mode, function calling / tool use, prompt design, summarization & translation pipelines, token-usage accounting & cost guardrails. Familiar with streaming responses and fine-tuning.

Databases: MongoDB + Mongoose 8 (aggregation pipelines, index design, explain() analysis, Atlas operations), PostgreSQL, MySQL, AuroraDB, Redis (ioredis, sorted-set queues, Lua scripting).

Cloud & DevOps: AWS (Lambda, S3, CloudWatch, AuroraDB), Heroku, Docker, CI/CD, Nginx (configured in production), PM2, Git, Linux server administration (Ubuntu/CentOS, DNS, reverse proxies). Familiar with Kafka, Elasticsearch.

Observability & quality: Sentry, New Relic (APM, transactions), Winston structured logging, incident response / postmortems, Jest, Supertest, Mocha, Chai, TDD, integration testing, ESLint + Prettier, Husky + lint-staged.

Realtime & integrations: Socket.io, SocketCluster, MQTT (IoT), Firebase Cloud Messaging, Stripe, webhooks at scale, Joi validation, JWT, REST, OpenAPI / Swagger, Strapi (headless CMS).

Frontend: React.js, React Native.

EXPERIENCE

Evolute CX GmbH, Germany (Remote) – Senior Backend Engineer

MARCH 2025 - PRESENT

- Designed and shipped an LLM-powered campaign-summary pipeline end-to-end on Azure OpenAI: multi-deployment with region failover, structured JSON output, function calling, token-usage accounting, automatic translation into customer languages.
- Cut average backend latency from ~800 ms to ~400 ms by removing serial in-loop DB calls, dropping unused queries, redesigning hot aggregations, and batching LLM translation calls.
- Diagnosed and remediated a production performance incident by redesigning a hot Mongo read path and its indexes, restoring p95 of affected endpoints from 30 s timeouts to under 500 ms.
- Backend lead on a 7-person engineering org: own architectural strategy, review all backend PRs, mentor full-stack engineers contributing to backend.

HypeGuard GmbH, Germany (Remote) – Back-end Engineer

JANUARY 2024 - FEBRUARY 2025

- Drove the migration of a workforce-management platform (security staffing for events) from a legacy PHP monolith to a TypeScript + AWS Lambda + AuroraDB serverless architecture.
- Built reusable serverless infrastructure (auth, scheduling, event workflows) and refactored core services around DI and use-case / repository layering before the company pivoted prior to launch.

Mountain Squad, Germany (Remote) – Back-end Engineer (Part-time)

JANUARY 2024 - FEBRUARY 2025 (concurrent with HypeGuard – evenings & weekends)

- Sole backend engineer for a German mountain-bike-route mobile app: designed and shipped the entire backend on Node.js + Strapi + PostgreSQL.
- Used Strapi as both admin CMS and a foundation for custom REST APIs to the mobile app, eliminating a separate admin-panel build and shortening time-to-launch.

Evolute CX GmbH, Germany (Remote) – Back-end Engineer

DECEMBER 2021 - DECEMBER 2023

- Led the migration of the entire JavaScript backend to TypeScript over ~2 years in parallel with shipping features; restructured the codebase around Inversify DI and clean / hexagonal architecture.
- Built the team's first real test infrastructure from scratch (Jest, integration tests, fixtures, CI) and introduced TDD as the default workflow.
- Shipped sales-driving features end-to-end including contact-segmentation tags and survey-analytics for manufacturers.
- Reviewed all backend PRs from a small team (intern + 2 full-stack engineers) and codified team coding standards.

EMT, Tehran – Software Engineer (Contractual / Military Service)

JULY 2021 – SEPTEMBER 2024 (part-time, in parallel with Evolute)

- Built an end-to-end IoT pipeline solo for an industrial cooling-systems product: device panel ↔ Node.js server via MQTT, server ↔ React Native app via WebSocket, MongoDB persistence.
- Designed and implemented an internal CRM (PostgreSQL, Strapi, React.js) used daily by ~100 sales reps nationwide and ~200 internal users.
- Supervised a small team building out the office IT and network: servers, VOIP, firewalls, NextCloud, reverse proxies.

Bazam Bazi, Tehran – Back-end Engineer

OCTOBER 2020 - DECEMBER 2021

- Built a React.js + Node.js + MongoDB admin panel used by internal operations to manage games, users, and content (mobile gaming platform, 500 K+ installs).
- Owned core backend services on Node.js, MongoDB, Redis – including a real-time group-chat service on SocketCluster sustaining ~2 K concurrent users on top of ~50 K DAU.
- Designed a Redis-sorted-set scheduled-jobs microservice for delayed work and Firebase push-notification dispatch.
- Introduced unit and integration testing to the team for the first time.

Pnashr, Tehran – Junior Software Engineer

DECEMBER 2019 - SEPTEMBER 2020

- Joined as a frontend intern (2 months) then promoted; built a React.js admin dashboard from scratch and shipped a customer-support ticketing microservice (Node.js, Socket.io, MongoDB).
- Maintained the company's Laravel monolith and administered production servers (Ubuntu / CentOS, Nginx, DNS).

EDUCATION

K.N.Toosi University, Tehran – Bachelor of Computer Science

2016 – 2021

Relevant coursework: Data Structures & Algorithms, Operating Systems, Database Design, Software Engineering. Most coursework completed before 2020; final years overlapped with full-time industry work.

Additional Training: React Native from Scratch (ACM)