

MATEO KADIU

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EXPERIENCE

ReserveBar

Software Engineer

Ridgefield, CT, USA · Remote

Jun 2024 - Present

- Built and maintained full-stack features across NestJS backends and Next.js frontends, designing services for horizontal scale and long-term maintainability.
- Built reusable UI systems with shadcn/ui + Tailwind CSS; partitioned Next.js work between server and client components to reduce bundle size and improve time-to-interactive.
- Owned Stripe end-to-end – multi-PaymentIntent Stripe Connect across per-retailer accounts, full lifecycle ops (capture/refund/revision/multicapture/incremental auth), fault-tolerant reconciliation for partial-failure recovery.
- Stood up Kubernetes from scratch with Pulumi for IaC – multi-pod topology and autoscaling across staging + production.
- Implemented gRPC service-to-service communication with Protobuf for type-safe contracts; reduced payload size and latency vs. REST across internal microservices.
- Designed a high-throughput webhook system with multi-source ingest and fan-out delivery, dedup logic for idempotent processing under bulk load.

Kineton Albania

Software Engineer

Tirana, Albania · On-site

Oct 2022 - May 2024

- Led multiple internal and external projects as team lead, organizing cross-functional contributors and owning the release train end-to-end.
- Shipped React Native apps across both bare workflows (custom native modules, Fastlane pipelines) and Expo (EAS Build, OTA updates).
- Built a web micro-frontend architecture with Webpack Module Federation – independently deployable remotes, shared singletons, runtime version negotiation.
- Operated AWS workloads – S3 + CloudFront, Lambda, Cognito – with IAM-scoped CI deploys; published apps to Google Play Store + App Store.

EDUCATION

Canadian Institute of Technology — MSc Software Engineering (Nov 2022 - Jul 2024) · BSc Software Engineering (Oct 2019 - Jul 2022) Tirana, Albania
Languages: Albanian (Native), English (C2), Italian (B2), French (A2)

SKILLS

Programming Languages: TypeScript, JavaScript, Java, Kotlin, Swift, Python
Frameworks: React Native, React, Next.js, NestJS, Angular, Spring Boot, Node.js
Cloud & Infrastructure: Docker, Kubernetes, Pulumi, AWS, GCP (Pub/Sub, Spanner, Cloud SQL), Firebase
Data: PostgreSQL, MongoDB, Redis, BullMQ
Tools: Git, gRPC, Temporal, Stripe, Module Federation, Fastlane, Gradle, Maven

PROJECTS

Cloud SDK *GCP Retail, NestJS, Pub/Sub, Spanner DB, gRPC, Kubernetes, MongoDB* GitHub

- Designed and published an internal SDK wrapping GCP services (Pub/Sub, Spanner, Cloud SQL) with shared conventions for auth, retries, and structured logging.
- Built most NestJS microservices consuming the SDK, keeping its design grounded in real usage patterns.
- Released through a semantic-release pipeline for predictable versioning across downstream teams.

Reservebar *TypeScript, Next.js, NestJS, Tailwind, shadcn/ui, RTK Query, Turborepo, Docker* Website

- E-commerce platform with a Next.js storefront, Contentful CMS, and NestJS microservices.
- Worked across customer-facing features, the multi-retailer Stripe Connect payments architecture, and event-driven catalog/order services.

- stripe-eu-vat-moss** *Java 21, Spring Boot, JOOQ, Liquibase, Pulumi-Java* GitHub
- OSS EU VAT One-Stop-Shop engine – bitemporal Postgres event store via JOOQ, 27-country VAT matrix, SAF-OSS XML returns, Stripe Connect deemed-seller routing under Art. 14a.
 - 5.4k LOC across 9 Gradle modules; 116 tests passing; Pitest 72% mutation kill; Jib distroless container deployed to Oracle Cloud Always-Free via Pulumi-Java.
- tide** *Next.js 16, React 19, Drizzle, Postgres + pgvector, BullMQ, Better-Auth, Anthropic SDK* GitHub
- OSS self-hostable read-later (Pocket / Omnivore replacement) – save endpoint on edge runtime, RSC reader view with typographic theming, MV3 browser extension, PWA Web Share Target, email-to-save via Resend inbound.
 - Streaming AI summaries (Claude Haiku 4.5), pgvector semantic search, BullMQ background extract/embed/archive workers, postgres FTS, Docker Compose + Pulumi-TS on Oracle Cloud Free for self-host.
- temporal-stripe** *Temporal, TypeScript, Stripe Connect* GitHub
- OSS Temporal library covering the full Stripe Connect lifecycle (reauth, multicapture, refunds, chargebacks) behind type-safe signals and a saga primitive; deterministic replay with exponential-backoff retries.
- webhook-gateway** *NestJS, Postgres, BullMQ, TypeScript* GitHub
- Self-hosted webhook reliability gateway – inbound persistence, exponential backoff retries, DLQ for dead events with replay; designed for multi-source ingest under bulk load.
- tax-ledger** *TypeScript, Big.js, property-based testing* GitHub
- OSS tax line-item splitter that proves the sum invariant holds across refunds, partial captures, and FX conversion – 10k generated orders pass property tests against the split + reconcile primitives.
- shadowkit** *Web Components, Tailwind v4, Vite, TypeScript* GitHub
- Helpers for building Custom Elements that survive host-page CSS – :host-scoped theme tokens, deduped stylesheet injection, typed postMessage bridge for cross-instance state.
- grpc-monorepo-starter** *Turborepo, NestJS, gRPC, Buf, Connect-Web* GitHub
- Opinionated monorepo template – define a service in proto, get TypeScript / Go / Python / Connect-Web clients regenerated on save with Buf and Turborepo task pipelines.
- Nurselo GmbH** *React, React Native, Node.js, Firebase, Google Maps, Geocoding* Live Demo
- Built a nurse job-search platform: React Native app for browsing/applying to shifts by location, web admin for hospital management.
 - Implemented location-based shift discovery using Haversine formula and geocoding APIs; configured Firebase Cloud Messaging via cloud functions, React Native build flavors for debug/release.