

Mateo Kadiu

📅 10 April 2000

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WORK EXPERIENCE

Jun 2024 – Present

Ridgefield, CT, USA · Remote

Software Engineer – *ReserveBar*

- Full-stack features across NestJS backends and Next.js frontends; reusable UI systems with shadcn/ui + Tailwind CSS, deliberate server/client component partitioning.
- 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.
- 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; designed a high-throughput webhook system with fan-out delivery and dedup logic for idempotent processing.

Oct 2022 – May 2024

Tirana, Albania · On-site

Software Engineer – *Kineton Albania*

- 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 bare workflows (custom native modules, Fastlane) and Expo (EAS Build, OTA); published to Play Store + App Store.
- Built a web micro-frontend architecture with Webpack Module Federation; operated AWS workloads (S3 + CloudFront, Lambda, Cognito) with IAM-scoped CI deploys.

PROJECTS

🌐 <https://github.com/liquidcommerce/cloud-sdk>

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

- Internal SDK wrapping GCP services (Pub/Sub, Spanner, Cloud SQL) with shared conventions for auth, retries, structured logging; consumed by most NestJS microservices, released through a semantic-release pipeline.

🌐 <https://github.com/mateokadiu/stripe-eu-vat-moss>

stripe-eu-vat-moss – *Java 21, Spring Boot, JOOQ, Liquibase, Pulumi-Java*

- 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, 116 tests, Pitest 72% mutation kill, Jib distroless image on Oracle Cloud Always-Free.

🌐 <https://github.com/mateokadiu/tide>

tide – *Next.js 16, React 19, Drizzle, Postgres + pgvector, BullMQ, Better-Auth, Anthropic SDK*

- OSS self-hostable read-later (Pocket / Omnivore replacement) – multi-surface save (web, MV3 extension, PWA share, email-to-save), RSC reader, streaming AI summaries via Claude Haiku 4.5, pgvector semantic search, Docker Compose + Pulumi-TS on Oracle Cloud Free.

🌐 <https://github.com/mateokadiu/temporal-stripe>

temporal-stripe – *Temporal, TypeScript, Stripe Connect*

- 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.

<https://github.com/mateokadiu/webhook-gateway>

webhook-gateway – *NestJS, Postgres, BullMQ, TypeScript*

- Self-hosted webhook reliability gateway – persistence, exponential backoff retries, DLQ with replay; multi-source ingest under bulk load.

<https://github.com/mateokadiu/tax-ledger>

tax-ledger – *TypeScript, Big.js, property-based testing*

- 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.

<https://github.com/mateokadiu/shadowkit>

shadowkit – *Web Components, Tailwind v4, Vite, TypeScript*

- Helpers for building Custom Elements that survive host-page CSS – :host-scoped theme tokens, deduped stylesheet injection, typed postMessage bridge for cross-instance state.

<https://github.com/mateokadiu/grpc-monorepo-starter>

grpc-monorepo-starter – *Turborepo, NestJS, gRPC, Buf, Connect-Web*

- Opinionated monorepo template – define a service in proto, get TypeScript / Go / Python / Connect-Web clients regenerated on save with Buf and Turborepo task pipelines.

EDUCATION AND TRAINING

Nov 2022 – Jul 2024

Tirana, Albania

MSc Software Engineering – *Canadian Institute of Technology* · **EQF 7**

Oct 2019 – Jul 2022

Tirana, Albania

BSc Software Engineering – *Canadian Institute of Technology* · **EQF 6**

SKILLS

Programming Languages: TypeScript, JavaScript, Java, Kotlin, Swift, Python

Frameworks & Libraries: 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 & Messaging: PostgreSQL, MongoDB, Redis, BullMQ, gRPC, Protocol Buffers, REST

Tools & DevOps: Git, Temporal, Stripe, Module Federation, Fastlane, Gradle, Maven, Turborepo, Semantic Release

LANGUAGE SKILLS

Mother tongue: Albanian

| Other languages | Listening | Reading | Speaking | Writing |
|-----------------|-----------|---------|----------|---------|
| English | C2 | C2 | C2 | C2 |
| Italian | B2 | B2 | B2 | B2 |
| French | A2 | A2 | A2 | A2 |

Levels per the Common European Framework of Reference for Languages (CEFR): A1/A2 Basic user · B1/B2 Independent user · C1/C2 Proficient user.