

Andrew Nee

Senior Software Engineer – Go / TypeScript / Distributed Systems

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SUMMARY

Experienced backend engineer with 10+ years of experience building scalable, high-load systems in fintech, healthcare, and transportation tech. Skilled in Go and TypeScript, passionate about clean architecture and data-driven systems. Loyal, collaborative team player who thrives in both startups and mature production environments. Looking to grow through peer exchange and strong engineering culture. Interested in DeFi, backend for AI, and technically challenging products.

KEY SKILLS

Languages: Go, TypeScript, Node.js

Databases: PostgreSQL, Redis, MongoDB, Neo4j, Elasticsearch

Queues & Streaming: RabbitMQ, AWS SQS

Infrastructure: Kubernetes, Docker, AWS

Monitoring: Prometheus, Grafana, Loki

English: C1 — confident in written and spoken communication

EXPERIENCE

Feb 2023-Present. **Haqqex – Senior Software Engineer.** UAE (Remote)

- A centralized crypto exchange with a focus on halal trading principles.
- Led architecture and development of the core trading engine (matching orders, order book, candles) using TypeScript and NestJS
- Scaled order processing throughput 10× by redesigning architecture and partitioning trading data
- Integrated with **Kucoin and OKX Broker APIs**, managing liquidity and executing trades in real-time
- Designed WebSocket pipelines for real-time market data (200+ trading pairs)
- Mentored junior developers, conducted interviews, and improved onboarding
- Took part in system scaling under **1M+ registered users** and handled sudden user spikes
- Participated in futures trading system expansion and architecture transition

Apr 2017-Feb 2023. **Medesk – Senior Software Engineer.** Russia (Hybrid).

SaaS for clinics across Russia, UK, and Latin America

Result: helped scale client base from **60 to 3000+ clinics** in 6 years

- Migrated legacy C# billing systems to Go microservices, improving maintainability and reducing setup time
- Built **integrations with lab APIs** (FTP/XML) for 8+ laboratories; automated lab orders and result delivery to millions of patients
- Integrated with **Stripe, Ckassa and LATAM payment gateways**, enabling multi-market payments
- Created internal warehouse management system
- Developed a full-stack **business analytics module** with custom filters and aggregation; helped surpass the 1000-client milestone
- Migrated data from **Neo4j/ElasticSearch to PostgreSQL**, cutting infrastructure costs by \$10k+ per month
- Enabled telemedicine services during COVID using an open-source WebRTC solution

Sep 2015-Mar 2017 – **Newmax Technologies – Software Engineer.** Uzbekistan

Built backend for **MyTaxi**, a local Uber-like service

- Refactored and stabilized a critical Go microservice for real-time ride dispatching, eliminating frequent crashes
- Improved matching algorithm: reduced client wait time from 5 mins to 30 secs by enabling parallel request handling
- Rewrote legacy Node.js driver API to modern Promises-based architecture

EDUCATION

2012-2016 – **Tashkent University of Information Technologies** – Bachelor of Computer Software Engineering