

LIOR CHEN

Lead Software Engineer

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Professional Summary

Results-driven Lead Software Engineer with 6+ years of industry experience (excluding military service) designing, building, and scaling distributed backend systems and full-stack applications. Proven track record of leading engineering teams in rapid-growth environments. Expert in Go, Python, and cloud-native architectures (AWS, Kubernetes). Highly collaborative leader, leveraging technical excellence and strong communication to deliver robust products.

Professional Experience

Nexa

Lead Software Engineer

Tel Aviv, Israel
06/2024 – Present

- Lead a cross-functional team of 5 engineers responsible for the development of Nexa's core high-throughput financial processing system.
- Architected a distributed messaging system using Go, gRPC, and Kafka, reducing API latency by 35% and handling 20K+ concurrent requests.
- Spearheaded the migration of legacy monolithic services to microservices running on AWS EKS, reducing infrastructure costs by 22%.
- Designed and executed the database partitioning strategy for a PostgreSQL cluster, improving write performance by 50%.
- Mentored team members, instituted rigorous code review standards, and implemented CI/CD pipelines using GitHub Actions.

Synapse

Senior Software Engineer

Tel Aviv, Israel
10/2021 – 05/2024

- Designed and developed scalable full-stack applications using React, Node.js, and MongoDB.
- Built a real-time event analytics dashboard using WebSockets and Redis caching, processing over 5M telemetry events daily.
- Collaborated with product managers to scope, design, and deliver 4 major product features from conception to production deployment.
- Improved automated test coverage from 45% to 88% by introducing integration tests, reducing production bugs by 30%.

Military Service

IDF - Elite Technology Unit

Software Engineer & Team Lead

Israel
11/2018 – 09/2021

- Commanded a team of 4 software developers building mission-critical operational systems for data intelligence.
- Designed a real-time, fault-tolerant data aggregation pipeline in Python and Docker, processing high-volume streams with zero down-time.
- Optimized existing C++ applications for memory utilization and execution speed, resulting in a 3x processing throughput increase.
- Awarded the Brigade Commander's Award for Excellence (2020) for outstanding leadership and operational contribution.

Education

Tel Aviv Technical University

B.Sc. in Computer Science

Tel Aviv, Israel
10/2015 – 07/2018

- Graduated Magna Cum Laude (GPA: 94/100).
- Specialization in Distributed Systems and Network Security.
- Recipient of the President's Scholarship for Academic Excellence (2016, 2017).

Technical Skills

Languages:	Go, Python, TypeScript, JavaScript, SQL, C++, Java, Bash
Frameworks:	React, Node.js, Express, FastAPI, gRPC, Next.js
Cloud & DevOps:	AWS (EKS, RDS, S3, Lambda), Docker, Kubernetes, Terraform, Git, CI/CD
Databases & Tools:	PostgreSQL, MongoDB, Redis, Apache Kafka, Elasticsearch, Linux