

Dvir Ben Ishay

Tech Lead & Senior Software Engineer

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Professional Summary

Passionate Tech Lead and Senior Software Engineer with 15+ years building impactful products that bring joy to millions. Expert full-stack developer with extensive experience across diverse technologies including NodeJS (NestJS), TypeScript/JavaScript, React, NextJS (AppRouter), React Native, C#.NET, and modern cloud architectures. Get-things-done attitude with proven track record delivering complex projects from concept to production.

Music enthusiast and hobbyist musician - studied at Mizmer Music School for 1.5 years, play piano, guitar, and sing. Deeply passionate about creative education and building products that make learning accessible and fun. Strong technical background in AI/ML, mobile development, cloud systems, and test automation with ability to quickly learn and adapt to solve challenging problems.

Core Competencies: Full-Stack Development • Mobile Apps (iOS & Android) • Product Impact • NodeJS (NestJS) • TypeScript/JavaScript • React, NextJS & React Native • AI/ML Engineering • Cloud Architecture (AWS) • Agile/SCRUM • Test Automation & TDD • C#.NET • Music & Creative Education Passion

Technical Stack

Languages & Frameworks:	TypeScript, JavaScript, NodeJS (NestJS, Express), React, NextJS (AppRouter), React Native, GraphQL, C#, .NET Core, Python
Database & ORM:	SQL Server, PostgreSQL, MongoDB, Redis, Entity Framework, Prisma, DrizzleORM, Indexing, Query Optimization
Testing & Quality:	TDD, Selenium, Puppeteer, Unit Testing, Test Automation, Code Quality Standards
AI/ML Tools:	LangChain, RAG, Vector Databases (Qdrant), MCP, GROQ, Vercel AI SDK
Cloud & Infrastructure:	AWS (EKS, ECS, Lambda, S3, CloudWatch, API Gateway, CDK), Kubernetes, Docker, Helm, Microservices, GIS
Databases:	SQL Server, PostgreSQL, MongoDB, MariaDB, Couchbase, Redis, Vector Databases
DevOps & Tools:	CI/CD (GitLab Actions), Grafana, RabbitMQ, REST APIs, Jira, Monday, Slack, Rails Testing
Methodologies:	Agile/Scrum, Waterfall, Design Patterns, System Architecture, Mentoring & Coaching

Professional Experience

Tech Lead | Aparner

January 2023 - Present

Leading technical development for Real Estate Tech platform with mobile applications (iOS & Android) serving residential communities.

Technical Leadership & Development:

- Hands-on development across full stack: NodeJS (NestJS), TypeScript, React, NextJS (AppRouter), React Native
- Led mobile app development (Affinitee) for iOS and Android with 10K+ downloads
- Collaborated with Product, Design, and QA teams to deliver impactful features quickly

AI & Innovation:

- Built production AI system using RAG with Qdrant Vector Database and LangChain
- Developed intelligent chatbot using LangChain, MCP, Vercel AI, and GROQ

Quality & Database Architecture:

- Implemented TDD, test automation (Selenium, Puppeteer), and code quality standards
- Designed database schemas with ORM frameworks (Prisma, DrizzleORM) and query optimization

Mobile & Full-Stack Development:

- Built scalable REST APIs and integrated AWS services (ECS, S3, CloudWatch, API Gateway)
- Developed GIS mapping features with Google Maps integration

Key Technologies: TypeScript, NodeJS (NestJS), React, NextJS (AppRouter), React Native, AWS, LangChain, RAG, Qdrant, TDD, Selenium, Puppeteer, Prisma, DrizzleORM, CI/CD

R&D Team Leader | Diligent

2019 - 2023

Led enterprise software development for governance, risk, and compliance solutions.

Technical Leadership:

- Managed and led 2 development teams using agile scrum methodology
- Mentored and coached team members on technical excellence

Cloud & Architecture:

- Migrated monolithic to microservices and built Kubernetes on AWS (EKS, CDK)
- Implemented design-to-code workflows using Figma and automation tools

Key Technologies: Kubernetes, AWS (EKS, CDK), Helm Charts, Docker, Microservices, NodeJS, .NET Core, RabbitMQ, MongoDB

Tech Lead & Senior Engineer | Edea, Toyga

2016 - 2019

- Built POS, retail, hospitality, and stock trading platforms using C#.NET Core, React, NodeJS
- Migrated monoliths to microservices with OOP design and implemented TDD practices

Technologies: C#, .NET Core, React, NodeJS, RabbitMQ, Redis, SQL Server, AWS

Senior Software Engineer | 365 Scores, Playwise

2012 - 2016

- Built distributed gaming and sports platforms using C#.NET with OOP and Entity Framework
- Designed database schemas and optimized queries for high-performance applications

Technologies: C#, .NET, MVC 4, AWS SDK, MongoDB, Entity Framework, SQL Server

Software Developer | Servotronix

2010 - 2012

- Developed C#.NET interpreter for servo controllers with device control and synchronization
- Built GUI for managing embedded systems with real-time constraints and hardware integration

Technologies: C#, .NET, Industrial Automation, Embedded Systems, Device Control

Education

Master of Business Administration (MBA)

The Open University | Graduated with Honors

B.Sc. Software Engineering

SCE - Sami Shamon College of Engineering | Graduated with Honors

Military Service

Accounts Department Manager | Staff Sergeant

Completed full military service with leadership responsibilities

Languages

English: Fluent | **Hebrew:** Native

Personal Interests

Music & Creative Learning: Passionate musician and music enthusiast. Studied at Mizmer Music School for 1.5 years. Play piano, guitar, and sing as hobbies. Deeply interested in creative education and making learning accessible and enjoyable for everyone.

Key Achievements

- ✓ Built production-grade AI systems with RAG and Vector Databases serving thousands of users
- ✓ Established AWS EKS infrastructure from code using CDK
- ✓ Led international teams across 4 countries with successful deliveries
- ✓ Created automation systems reducing manual work by 70%