

Dvir Ben Ishay

VP R&D | Tech Leader

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Professional Summary

Versatile VP R&D and hands-on Tech Leader with 15+ years driving innovation across Real Estate Tech, Gaming, Financial Services, E-commerce, and Sports. Expert in building distributed teams, architecting cloud-native systems, and developing AI-powered solutions. Proven ability to lead cross-functional teams (Product, Design, QA) and integrate with multiple departments.

Track record in production-grade AI with RAG and Vector Databases, Kubernetes on AWS, GIS mapping, and Agile/Scrum. Background includes embedded systems and industrial automation alongside modern cloud and AI expertise.

Core Competencies: AI/ML Engineering • Cloud Architecture (AWS) • Microservices Design • Agile/Scrum Leadership • Team Leadership • DevOps & Automation • Embedded Systems • Product Development

Technical Stack

Languages & Frameworks:	Python (FastAPI), JavaScript, TypeScript, NodeJS, React, React Native, .NET Core, GraphQL
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:	MongoDB, MariaDB, PostgreSQL, 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

VP R&D | Aparter

January 2023 - Present

Leading product development for a Real Estate Tech and Community Management platform serving residential communities with mobile applications (iOS & Android).

Leadership & Management:

- Managing cross-functional teams (Product, Design, QA, Development) with 8 developers across Israel, Poland, Ukraine, and India
- Hands-on technical leadership - actively coding while driving strategic product vision
- Leading integrations with products from other departments

AI & Machine Learning Innovation:

- Architected enterprise-grade AI system using RAG with Qdrant Vector Database trained on comprehensive property and community data
- Built intelligent chatbot using LangChain, MCP, Vercel AI tools, and GROQ for internal and customer-facing services
- Developed AI-powered feedback systems with sentiment analysis and personalized recommendations

Cloud Infrastructure & DevOps:

- Designed AWS-based microservices architecture using ECS, API Gateway, S3, and CloudWatch
- Built comprehensive automation pipelines integrating Slack, Jira, Monday, and Rails Testing
- Implemented CI/CD with GitLab Actions including automated testing and error reporting
- Created automated daily, weekly, and monthly status reports with insights

Mobile & Full-Stack Development:

- Led Affinitee mobile apps (React Native) and REST APIs (Python FastAPI, NodeJS)
- Developed GIS mapping for 3D visualizations and Google Maps integration for area analysis

Key Technologies: Python, FastAPI, JavaScript, TypeScript, NodeJS, React, React Native, AWS (ECS, S3, CloudWatch, API Gateway, Lambda), LangChain, RAG, Qdrant, GROQ, MCP, GIS, Google Maps API, Microservices, Docker, CI/CD, Grafana

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:

- Spearheaded migration from monolithic to microservices architecture
- Built complete Kubernetes infrastructure on AWS using EKS and CDK (Infrastructure as Code)
- Designed and deployed Helm charts for application orchestration

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

R&D Team Leader | Edea, Toyga

2016 - 2019

- Led distributed teams for POS, retail, hospitality, and stock trading platforms
- Migrated monoliths to microservices using React, NodeJS, .NET Core

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

Tech Lead & Senior Developer | 365 Scores, Playwise

2012 - 2016

- Built distributed gaming system and sports data platforms from scratch
- Developed IPC servers, Backoffice systems, and AWS integrations

Technologies: .NET, MVC 4, AWS SDK, MongoDB, Entity Framework

Software Developer | Servotronix

2010 - 2012

- Developed interpreter for servo controllers with management GUI

Technologies: .NET, Industrial Automation, Embedded Systems

Education

Master of Business Administration (MBA)

The Open University | Graduated with Honors

B.Sc. Software Engineering

SCE - Sami Shamoon 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

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%