

ERAN KATSAV

SENIOR ANDROID & KMP ARCHITECT | PROJECT LEAD & MENTOR | TECHNICAL INSTRUCTOR

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[Eran Katsav](#)
[Kfar Warburg, Israel](#)

EXECUTIVE PROFILE

- Android and KMP Development with 15+ years of hands-on native development in Kotlin and Java leading the strategic migration of native infrastructures to Kotlin Multiplatform
- Technical Training and Mentorship with a 26-year track record of delivering advanced software engineering programs for R&D teams at Samsung, General Motors, and Government Security Agencies.
- Product Architecture including a generic clinical platform adopted by Clalit Health Services used to deploy tailored medical apps across multiple clinics and hospitals with a focus on accessible interfaces for elderly and improving the doctor-patient bonds.
- Engineering Leadership by directing and supervising nearly 100 student engineering projects from initial characterization to production-ready software while aligning curricula with industry standards.
- Consumer Impact through the development of the first Hebrew voice assistant with 800k downloads and white-label multimedia systems deployed across all Suzuki vehicles in Israel for 5 years.
- Mobile Ecosystems and Infrastructure with extensive experience in iOS development using Swift and Objective-C including Android OS internals and system services.

EXPERIENCE

Founder & Director | MAIA – Mobile AI Applications Lab | Holon Institute of technology (HIT)

2019 – Present

- Architected a server-driven framework where a single codebase is dynamically reconfigured for diverse medical workflows, from Parkinson's care (Beilinson) to Pain Management (Soroka). This platform was built from 15+ individual students projects digitizing clinical questionnaires, medication tracking, and patient reporting. [AppStore](#). [Google Play](#).
- Developed [cognitive and clinical assessment tools](#) (for Beit Rivka and Herzog Hospitals) that were adopted by Clalit Health Services (Israel's largest HMO, and the third largest worldwide) as a standardized tool for implementation across its entire patient population.
- Led the strategic transition of the clinical platform from native Android to Kotlin Multiplatform (KMP).
- Managed the end-to-end development cycle: from concept and feature specification to clinical deployment and QA.

Independent Developer & Entrepreneur | Puzzle Applications

2010 – Present

- Developed the first voice assistant in Hebrew ([Bip it](#)), reaching 800K+ downloads(iOS & Android) and high daily active users.
- Built and integrated a "White Label" in-vehicle multimedia system deployed across all Suzuki vehicles in Israel for five years. [Link](#).
- Published numerous apps to both Play Store and App Store, surpassing 1 million total downloads.

Founder, Lead Android Instructor | SYNTAX College

2013 – Present

- Empowered hundreds of developers at global tech giants (Samsung, GM, Motorola, Cisco, Government Security Agencies) through intensive training in Android and iOS App development, Kotlin deep-dive(6 Days course), Android Internals and Security courses. [Site](#).
- Providing consulting services in Android, iOS, Java, Kotlin, Swift, and Objective-C across both academic and industry settings.
- Training and Consultant emphasized deep understanding of the Android OS, background execution, system services and real-world constraints in mission-critical environments.

Lecturer & Academic Projects Coordinator | HIT & Reichman University

2017 – Present

- Developed and delivered C.S. degree elective courses in Android (Kotlin/Java) for international and local students.
- Aligned academic curricula with industry standards, mentoring students in building production-grade Full-Stack Android apps.
- Supervised and led more than 100 diverse student projects from initial characterization and system design to full-scale development, including Augmented Reality apps, in vehicle cyber security and deployment for clinical trials and real-world medical environments.

Computer Science Track Lead | Tzafit High School

2013 – Present

Founded and established the Computer Science and Software Engineering track from the ground up, implementing the full 5-unit curriculum and mentoring students through advanced capstone mobile phones projects.

EDUCATION

M.A. in Literature (with Distinction) | Tel Aviv University (2006–2010)

Completed a research thesis on the poet Shaul Tchernichovsky under the supervision of Prof. Dan Laor.

Awarded multiple academic scholarships. The thesis was selected for publication in “Haaretz”. [Link](#). Graduated with honors.

Teaching Certificate in Mathematics | Hebrew University of Jerusalem (2003–2005)

Completed a formal teaching certification program with emphasis on mathematical pedagogy, instructional methodology, and curriculum design.

B.Sc. in Computer Science | Hebrew University of Jerusalem (2000–2003)

Combined studies in computer science with an extended track in Hebrew literature.

Coursework included algorithms, software engineering, data structures, os programming, and theoretical computation.

Graduated with a final average of 85. Psychometric score of 728.

MILITARY SERVICE | Artillery Corps

Served at the Fire Control command (Combat track), later transitioned to developing instructional command-and-control training materials; awarded Excellence Award by the Chief Artillery Officer.

LANGUAGES

Hebrew: Native | English: Fluent