
Eli Harel

Full-Stack Software Engineer

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CS graduate and full-stack developer specializing in React, React Native, and TypeScript. Experienced in building production mobile and web applications with serverless architectures. Quick learner with strong ownership and problem-solving skills. Former tank commander, awarded presidential honors.

TECHNICAL SKILLS

- **Frontend:** React, React Native, JavaScript, TypeScript, HTML, CSS, Tailwind CSS
- **Backend & Cloud:** Node.js, Express.js, MongoDB, Firebase, Firestore, RESTful APIs
- **Tools & Other:** Git, Expo, VS Code, Java, C#

EXPERIENCE

Software Engineer – Ace Remodeling (Remote, CO) | 2025–Present

Internal CRM Platform: Architected a comprehensive internal CRM and financial platform using TypeScript and Google Apps Script, featuring domain-driven design and a column-driven framework. Built real-time dashboards for lead tracking, revenue forecasting, and project financials across distributed PM teams. Implemented automated financial calculations, multi-file synchronization, and type-safe data processing. Managed full development lifecycle including monorepo architecture, build automation, and deployment via GitHub and clasp.

iPad Portfolio Application: Developed a production React Native application using Expo and TypeScript as a digital portfolio tool for project managers during client consultations. Implemented serverless architecture with Firebase/Firestore for project data and Firebase Storage for media. Designed a token-based theming system supporting multiple theme variants with runtime switching. Built offline-first architecture with cloud sync for reliable field operation.

EDUCATION

Academic College of Tel Aviv - *Computer Science*

October 2018 - October 2022

Honors: Magna cum laude, 3.7 GPA, Dean's list.

Courses: Operating Systems, Algorithms, Computability & Complexity, C#, Design Patterns

HIGHLIGHTED PROJECTS

ACE Remodeling App

- React Native, Expo, TypeScript, Firebase, Firestore, Expo Router
- Production iPad application for construction PMs to showcase renovations during consultations. Serverless Firebase backend, token-based theming system with three variants, and offline-first architecture. Features Context API state management and iPad-optimized gesture controls.

PizzaPalooza

- *React, Redux Toolkit, React Router, TypeScript, Tailwind CSS*
- Built a responsive pizza ordering web app with features like dynamic menus, cart management, order placement, and priority upgrades. Implemented modern architecture patterns using Redux Toolkit, action-based routing with React Router, and Tailwind CSS for clean UI styling.

GPUP. (Generic Platform for Utilizing Processes)

- *Java, JavaFX, Servlets, XML, Multi-threading*
- Designed and implemented a scalable, graph-driven task execution engine that models interdependent processes as a directed graph. Developed across three phases (CLI, JavaFX desktop, and web-based client-server app), the platform supports dynamic task execution with concurrency, fault recovery, resource constraints, and what-if analysis. Enabled users to visualize dependency graphs, simulate builds, and execute tasks in parallel with respect to graph structure and execution policies. XML-driven architecture, detailed logs, and real-time feedback rounded out a robust software engineering project.

YelpCamp

- *JavaScript, Node.js, Express.js, MongoDB*
- Full-stack campground review app modeled after Yelp, featuring user authentication, session handling, geolocation via Mapbox, and CRUD functionality. Focused on REST API design, security, and deployment on Render.