

ROI SHUKRUN

Software Engineer

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Professional Experience

Software Engineer | K Health 📅 Mar 2025 - Present

- Enhance the company's flagship product through major UI/UX, performance, and architectural upgrades, resulting in a smoother, faster user experience.
- Collaborated within a small, agile engineering team to transition core services from REST to GraphQL, improving scalability, data efficiency, and integration consistency.
- Lead the development of an advanced automated testing system for K Health's Clinical AI platform.
- Strengthened product stability by integrating automated test coverage into CI/CD pipelines, enabling faster deployments with reduced production incidents.

Projects

Flappy Bird 2.0 – AI & Multiplayer Edition

Enhanced the classic game with AI opponents, multiplayer, authentication, and multiple gameplay modes. Built with Python, FastAPI and NEAT to enable adaptive AI behavior. Gained experience integrating ML components and managing real-time client-server interactions.

TechTube – YouTube Inspired Video Platform

Developed a full-stack web and mobile video-sharing platform supporting video upload, user management, search, authentication and more. Built a Node.js backend with MongoDB and built the frontend using React for web and Kotlin for mobile. Focused on clean architecture, responsive UX/UI, and efficient server-side data handling.

Skills Summary

- **Programming Languages:** JavaScript, Python, Kotlin, Java, C#, C, Bash, SQL, HTML, TypeScript
- **Frameworks & Libraries:** Node.js, React, Micronaut, FastAPI, Express.js, Next.js
- **Databases & Cloud:** PostgreSQL, MongoDB, Redis, Docker
- **Testing & Automation:** Playwright, Postman, JUnit, Allure, BrowserStack, Appium
- **Dev Tools & Others:** Git, Android Studio, Xcode, Figma, GraphQL

Soft Skills

Problem Solving • Adaptability • Self-Learning • Team Collaboration • Curiosity • Responsibility

Education

B.Sc. in Computer Science | Bar-Ilan University

📅 Oct 2022 - Oct 2025

GED | Physics & Computer Science / Branco Weiss

📅 Sep 2011 - Jul 2017

Additional Information

- **Military Service | Combat Officer, Iron Dome Unit** 📅 Mar 2018 - Dec 2021
Operated advanced air-defense systems and commanded over 100 soldiers across field, HQ, and training roles. Awarded a Certificate of Excellence by the Israeli Air Defense Force General.
- **Languages:** Hebrew - Native, English - Fluent.