

Roe Heily

Software Developer (Age 21)

Software Developer with hands-on experience in building real-time systems across **web** and **mobile**. Some experience with **Computer Vision** projects.

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EXPERIENCE

Software Developer - Computer Vision & Systems

IDF Hatal 99 | Aug 2023 - Mar 2026

- Grew from Software Developer to **Team Lead** (5 Developers), then into a **Computer Vision** Software Developer role.
- Rillaboom - Developed an **Android** aerial-imagery stitching engine (**Kotlin, C++/JNI**) producing 1–2 km panoramas; improved stitching volume by 120%.
- CVTeam - Created an OpenShift-like platform (**React, Nest.js, MySQL, Docker**) for managing Dockerized apps and the organization's Users and Tasks.
- Castle - Led the development of a real-time task management app (**React, Express.js, MySQL**) with drag-and-drop functionality.
- Master - Developed an AI assistant with (**React, Flask, PostgreSQL, Llama.cpp**) in order to generate IDF-compliant documents from client inputs.

Software Developer - Freelancer

Julius Agency | Feb 2024 - Dec 2024

- Delivered applications using **Next.js** and **React Native**, deploying web and mobile products end-to-end with **Github CI/CD, Firebase** and **Railway**.
- Implemented **monorepo** and **microservice** architectures, improving development efficiency and collaboration through **Github, Slack** and **Jira**.

SKILLS

Programming Languages

Javascript (Typescript),
Python, Kotlin, C/C++, Bash.

Frontend Frameworks

Jetpack Compose, React,
Angular.

Backend Frameworks

FastAPI, Flask, Express.js,
Nest.js.

Modern Frameworks

Next.js, Tanstack Start,
React Native, Kotlin
Multiplatform.

Cloud & Deployment

Firebase, Railway, Git, Vercel,
Docker, Linux & Nginx.