Roee Heily

roee1454@gmail.com • www.heily.xyz • github.com/roee1454 • 0527051611

Skills

Programming Languages: C++, Python, TypeScript, JavaScript, Kotlin, SQL

Frameworks & Runtimes: React, React Native, Angular, Jetpack Compose, Nest.js, Node.js, Flask

Databases & Data: PostgreSQL, MySQL, Redis, Firebase

DevOps & Deployment: Docker, Git, GitHub CI/CD, Linux, Nginx

Computer Vision & Media: OpenCV, FFmpeg, GStreamer, NumPy

Experience

Software Developer - Computer Vision & Systems, IDF - Hatal   Aug 2023 — Present

- Worked in a 7-developer team, collaborating via GitHub, Jira, and Slack.
- Redesigned an existing Tauri-based concept into a native Android application using Kotlin and C++ to process aerial imagery and generate GPS-aware panoramic views.
- Implemented computer vision pipelines including image stitching, image registration, and GPS-based calculations. Used Python extensively for algorithms R&D.
- Increased stitching capacity by 220% (up to 220 images per panorama) and improved runtime performance by 60% by introducing a native C++ interface and concurrent I/O processing.
- Developed an internal platform leveraging the Docker API to manage containerized applications, tasks, and user access, with React-based organization and admin interfaces, Nest.js backend services, and deployment on a Linux VM using Nginx.

Software Developer (Freelance), Julius Agency   Feb 2024 — Dec 2024

- Worked in a 3-developer remote team, collaborating via Github, Jira and Slack.
- Developed mobile applications primarily using React Native with Firebase backend services, including Authentication, Firestore, Storage, OTP flows, Analytics, and deployment configuration.
- Delivered applications end-to-end from initial concept to Google Play release, and in some cases built React-based admin interfaces to manage user data, analytics, and application workflows.

Projects

Better Next   github.com/roee1454/BetterNext

Built and deployed BetterNext, a customizable Next.js template with TypeScript, Prisma ORM, PostgreSQL, Redis, and authentication, for rapid project setup in freelanced applications.

Crypto QR Payments Platform   Client: Confidential

Built and deployed a QR-based crypto payments platform using React, Node.js, Prisma ORM, PostgreSQL, and integrated the NowPayments API for transactions processing. (private repository; code available for review on request).