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Istvan Kreisz - Web and iOS Developer

SKILLS

Web: HTML, (S)CSS, Tailwind, JavaScript, TypeScript, React, Next.js, Google Cloud, Firebase, Google Analytics, Web Scraping, Serverless Computing, Netlify, Vercel, Stripe, Google Maps API, Shopify, LangChain, ChatGPT, OpenAI

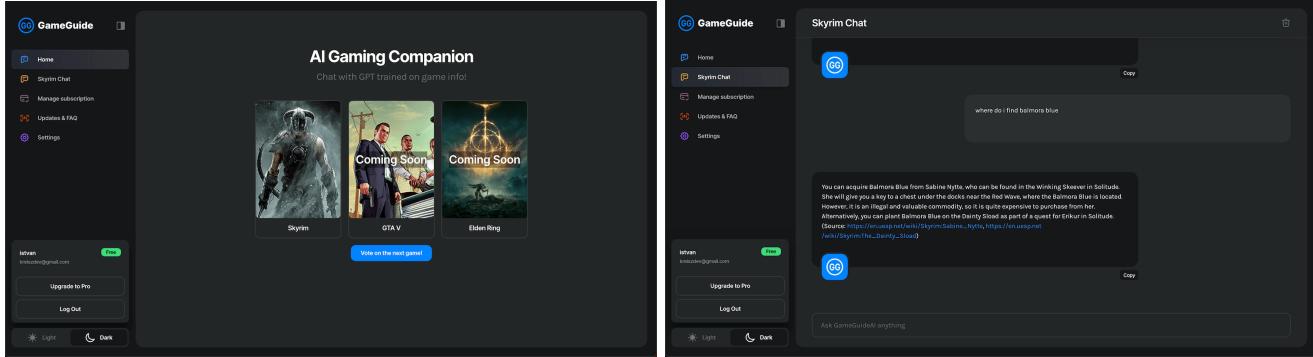
iOS: Swift, UIKit, SwiftUI, SpriteKit, Realm, Core Data, RxSwift, Combine, REST API, MVC, MVVM-C, Redux, Unit, UI Testing, Fastlane, Circle CI, Git, GitHub, CocoaPods, SPM, Asynchronous programming, Bitbucket, Sketch, Figma

WEB PROJECTS

[GameGuide AI \(UNDER DEVELOPMENT\)](#) – ChatGPT based chatbot for gamers

May 2023 –

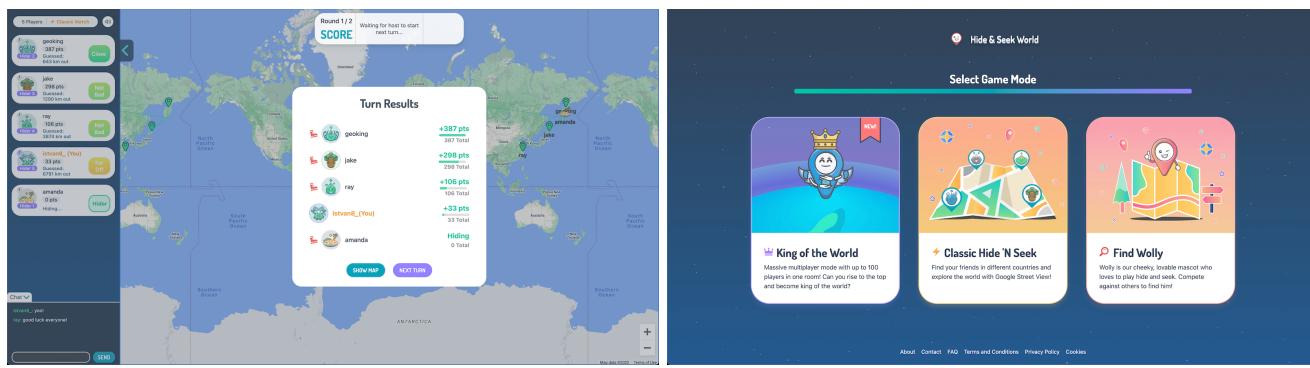
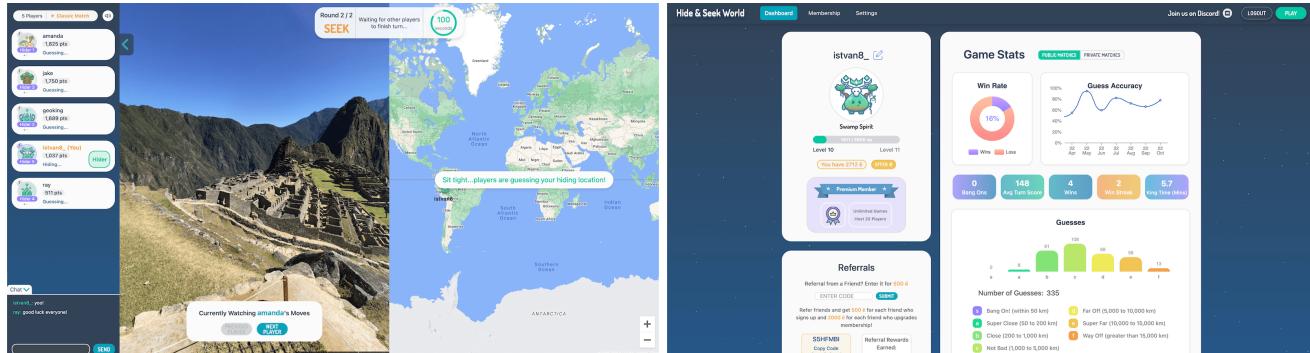
I developed a **game guide AI chatbot** using **OpenAI, LangChain, React, Next.js, TypeScript, Firebase and Google Cloud functions**. Currently the chatbot can only answer questions about the popular game, Skyrim. The **training data for the bot is scraped** from the largest Skyrim wiki website, and stored in a **vector database**.



Hide & Seek World – Web-based online multiplayer game

June 2020 –

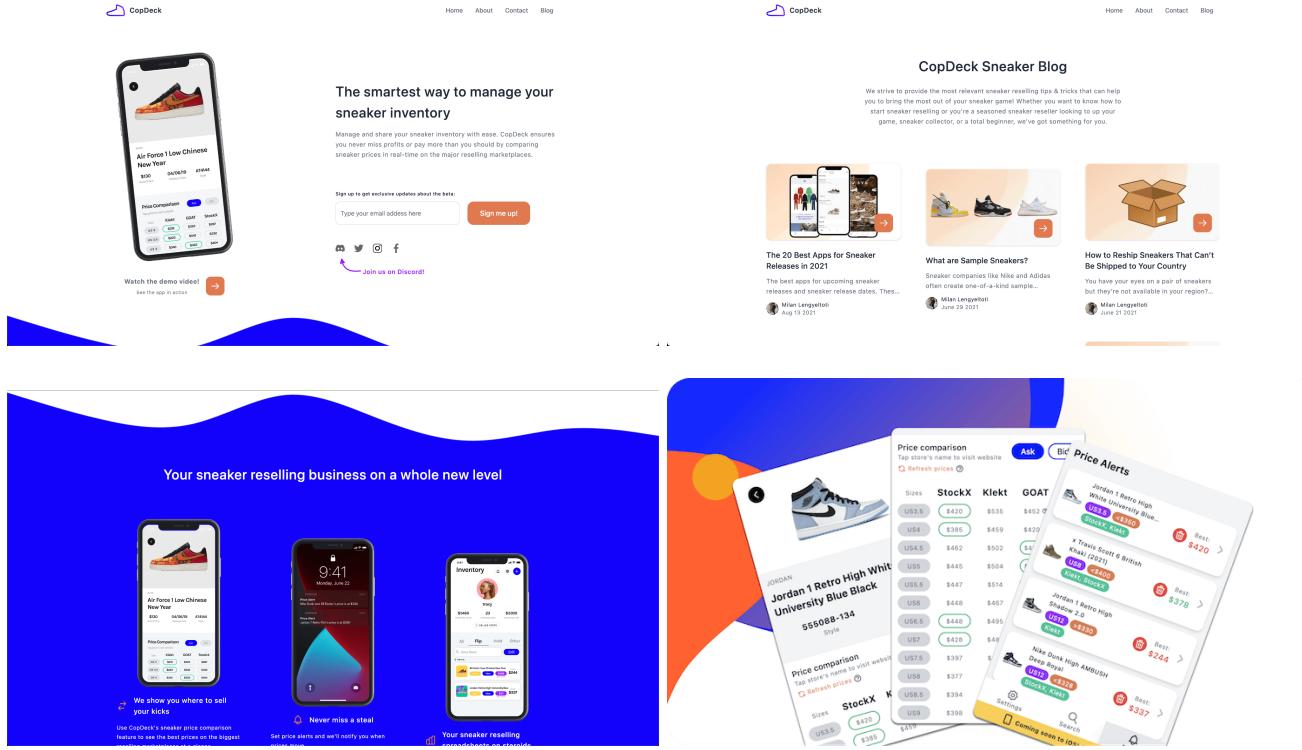
I designed and developed a real-time multiplayer game using **Next.js**, **TypeScript**, **Firebase** and **Google Cloud serverless functions** that currently reaches **500 DAUs** and has had **>100k sign ups**. Features include multiple game modes for 2-100 players, leaderboards, private matches, and a games stats dashboard. Payments are processed through **Stripe**. Check out the [demo video](#).



CopDeck – Application for sneaker resellers

APR 2021 – APR 2022

I developed a **sneaker price comparison and inventory management iOS app** for sneaker resellers that included a **web scraping algorithm** using **Google Cloud, back-end**, and the [CopDeck landing page](#) built with **Next.js, TypeScript, Tailwind and Netlify** and a desktop app built with **Electron**.



[kreiszjanka.com](#) – Online store (not live yet) & portfolio website for custom-made jewelries

APR 2021 – APR 2022

I built an **online store and portfolio website** for an artist (my sister) making custom-made engagement rings, wedding rings and other jewelry. The store features **image galleries**, a **contact form** and a **web store built with Shopify**. The UI is built with a **Shopify theme** and a lot of custom-made elements created with **Shopify's liquid templating language**. The store accepts **credit cards (processed by Stripe)** and **Paypal payments**.

The image displays four screenshots of the Kreiszjanka website, arranged in a 2x2 grid:

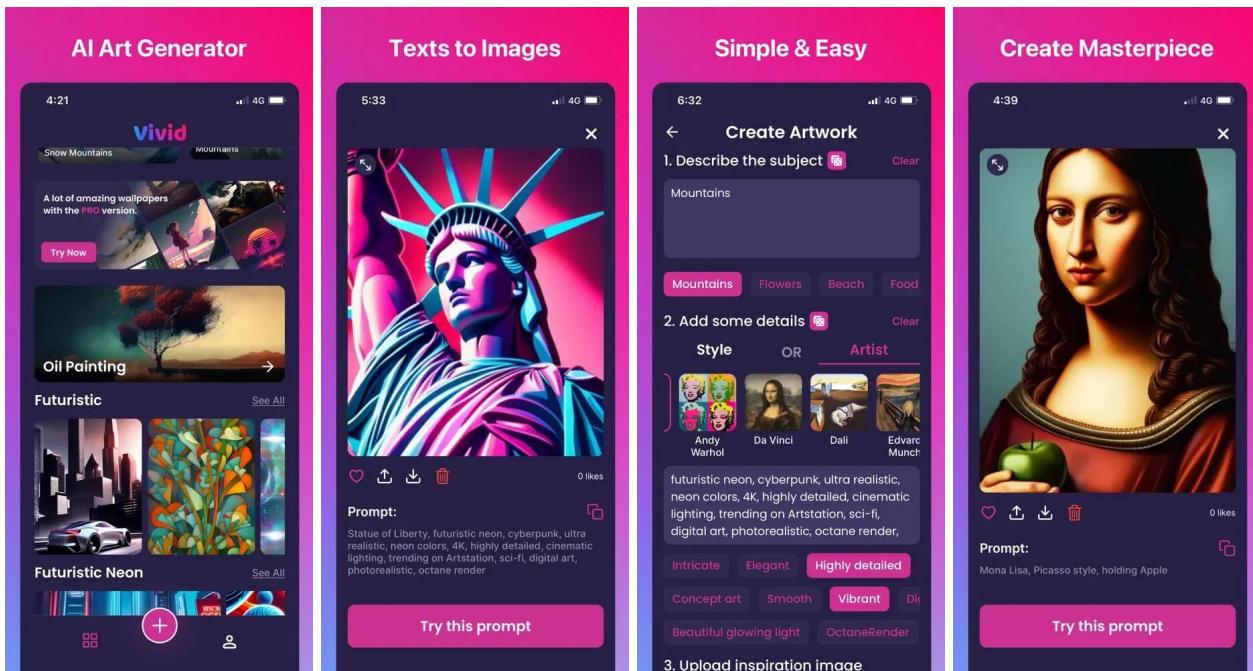
- Munkákim:** A portfolio section featuring a collection of custom-made jewelry pieces, including rings and bracelets, displayed on a light surface.
- Webshop:** A product listing page showing four items: "Aukcionba kerülő gyűrű" (Gold ring for auction), "Nemes arany gyűrű" (Silver ring), "Nemes arany gyűrű" (Silver ring), and "Fekete gyűrű" (Black ring). Each item has a price (e.g., 55,000 Ft), a "Hozzáadás a kosárba" button, and a small image.
- Contact:** A contact form page with fields for Name, Email, Message, and a "Send message" button.
- Kontakt:** A contact page with a map, address, and a "Kérés küldése" (Send message) button.

iOS PROJECTS

Vivid – AI Wallpaper generator app for iOS

MARCH 2023 – MAY 2023

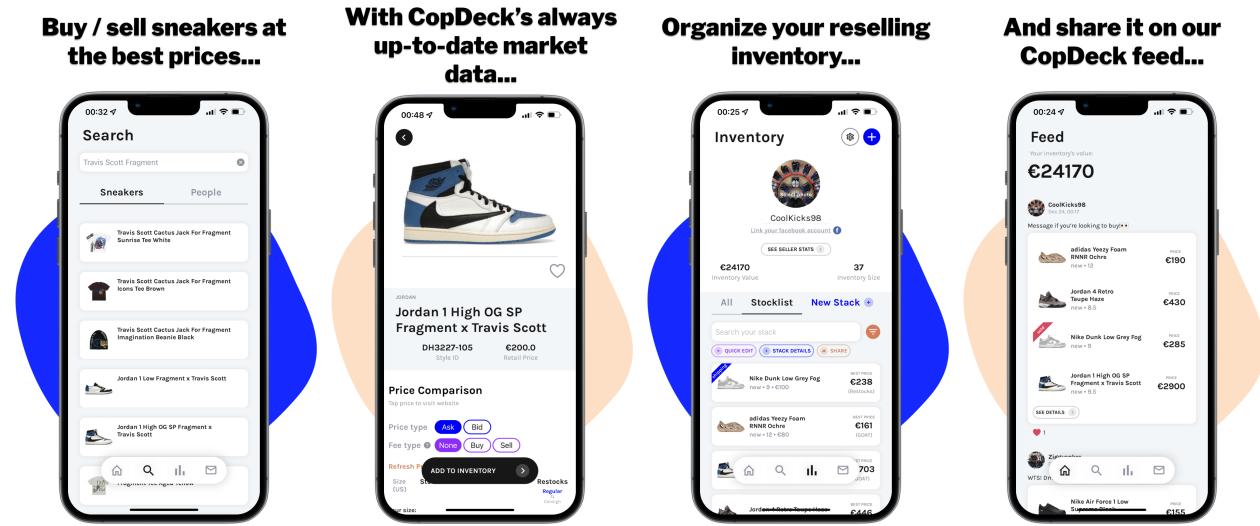
Vivid is one of my freelance projects. The app is an AI image generator app with lots of preset styles and a public feed where you can browse through AI art created by other users. I built the app using **SwiftUI** and **MVVM-C architecture**. The app also uses **Firebase Authentication** for all auth functionality. The images are generated using **Stable Diffusion** on a **serverless backend running on Google Cloud**. The generated images are stored in **Firebase Storage**. The backend is a collection of **Cloud Functions** written in **TypeScript**.



CopDeck – iOS Application for sneaker resellers

APR 2021 – APR 2022

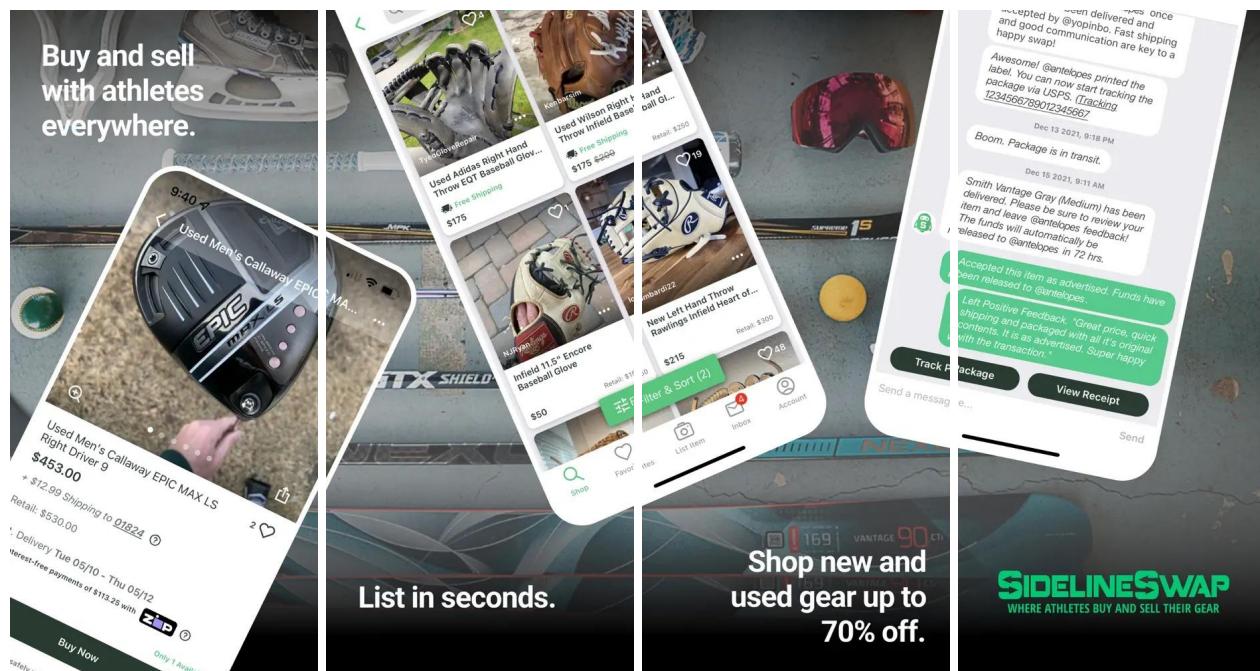
I developed and released a **sneaker price comparison and inventory management iOS app** built with **SwiftUI** for sneaker resellers that included a web scraping algorithm using **Google Cloud, back-end**, and the [CopDeck landing page](#) built with **Next.js, TypeScript, Tailwind and Netlify** and a desktop app built with **Electron**. Check out the [demo video](#).



SidelineSwap – Ecommerce store for sports goods

Oct 2021 – Aug 2022

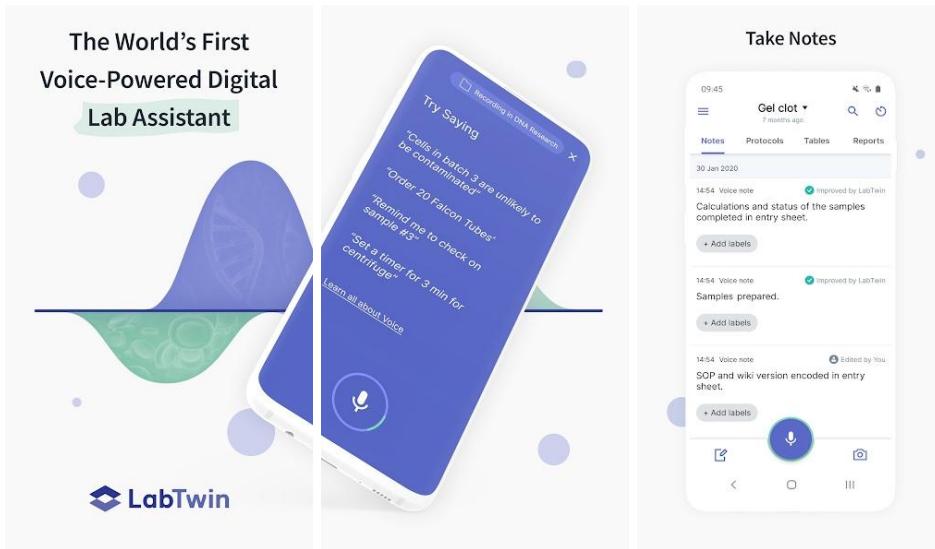
SidelineSwap is an **e-commerce store** for used sporting goods. I was hired to execute a revamp of the company's iOS app including UX on all existing screens and new features. I **improved the software architecture** by implementing the **MVVM-C** pattern, modernized the app UI, refactored and performed bug fixes in legacy code and **rebuilt the payment checkout flow**.



LabTwin – A digital assistant for pharmaceutical industry scientists

Jan 2019 – May 2020

LabTwin was a niche **digital assistant for pharmaceutical industry scientists** used to improve productivity by reducing note-taking. I joined LabTwin's iOS team during a scale-up. I wrote automated tests in **XCTest**, **Fastlane**, and **CircleCI** that eliminated database migration issues, integrated **AWS Amplify** for user authentication. I developed a scalable persistence layer using **Realm** and UI components in **UIKit** and built a synchronization module using **Realm**, custom code, and **REST APIs** to keep local data in sync with the server.



Ball Smasher – Ball Smasher was a hyper-casual mobile game developed for iOS

Apr 2018 – Dec 2018

Soon after college two friends and I **co-founded** Snake Bacon, a **video game company** that developed Ball Smasher for iOS. I developed the game engine code using **SpriteKit**. We negotiated a revenue share agreement with **Lion Studios** for publishing and marketing the game, after which the app reached top of iOS App Store charts, achieving **>7M downloads and 4.5/5 rating from >64K reviews**.

