

# Hersh Nagpal

SOFTWARE ENGINEER

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I'm a software engineer currently working in web and mobile development. As an engineer, I strive to maintain equity, safety, and forward thinking within my teams and most importantly, myself. I use multidisciplinary experiences to create a team environment where its engineers can grow.

## Skills

**Mobile Development** Swift (SwiftUI, UIKit, Combine, XCTest), C# (Xamarin, .NET, Xamarin Forms)  
**Web Development** TypeScript/JavaScript (React, Redux, Node), CSS (SCSS, Styled-Components) HTML, JSX  
**Other Software** Java, Python, C++, AWS, (EC2, S3, CloudFormation, CodeBuild, CodePipeline)

## Experience

### DraftKings

MOBILE APP ENGINEER

Remote, Boston, MA

Aug 2022 – Present

- **Skills Utilized:** C#, Xamarin, Swift, SwiftUI, .NET, iOS and Android Development
- Released the Player Page, Player Stats and News, and College Navigation features to the Xamarin Android and iOS DraftKings app
- Refactored the Event and League pages to ensure peak performance during the Super Bowl and March Madness events
- Increased app stability through higher quality code review, unit testing, functional testing, and integration testing

### Posterity

FRONT-END SOFTWARE ENGINEER

Remote, New York, NY

Feb 2022 – Jun 2022

- **Skills Utilized:** React, TypeScript, NextJS, Styled Components, CSS, Storybook, Entrepreneurship
- Implemented and tested the Posterity.life progressive web application using TypeScript and React
- Integrated Storybook to increase design accuracy of UI components and isolate UI testing
- Created reusable components and layouts based on Figma designs to reduce codebase complexity and build time
- Regression tested all new components and pages to ensure seamless integration with both the new PWA and legacy application

### PayPal

iOS ENGINEER CO-OP / BRAND ARCHITECTURE INTERN

Remote, Boston, MA

Jun 2021 – Dec 2021

- **Skills Utilized:** Swift, UIKit, Postman, XCode, Unit Testing, Market Research, Business Strategy, Competitive Analysis
- Implemented new localization-specific features and UI elements for the EU release of the PayPal Business Debit Card
- Conducted unit tests, regression tests, and integration tests to ensure that all new features work consistently throughout all languages and versions
- Refactored and modernized outdated client-side Swift code for iOS PayPal Card products
- Researched new markets, mapped competition, and developed product names for potential new product offerings with PayPal's Brand Architecture team
- Volunteered with The Network for Teaching Entrepreneurship to teach 6–12th grade students entrepreneurial skills and judge business ideas

### Wayfair

iOS ENGINEER CO-OP

Boston, MA

Jan 2020 – Jun 2020

- **Skills Utilized:** Swift, UIKit, Autolayout, GraphQL, UI Design, Mobile Development
- Developed the “Product Details” page, “Related Product” carousels, and product image carousels for the Wayfair 2020 iOS redesign
- Architected and implemented pages on the Wayfair iOS App using Swift and GraphQL on Wayfair's Product Detail Page and Shopping Cart teams
- Created “Related Items” page, “Frequently Bought Together” carousel, “Additional Information” menus, and image carousels on all product pages
- Collaborated with software and QA engineers to implement multitasking split-view on iPad throughout the Wayfair iOS App
- Volunteered to host charity events on behalf of Wayfair to raise funds for St. Jude's Children's Hospital

### Broadridge Financial Solutions

DEVOPS INTERN

Deer Park, NY

Jun 2019 – Aug 2019

- **Skills Utilized:** DevOps, AWS (CloudFormation, S3, IAM, EC2), Javascript, UI Design, Groovy, Jenkins, Marketing, Public Speaking
- Constructed the foundations of an automated, cloud-based DevOps architecture to decrease the spin-up time of Broadridge Digital B2B products
- Optimized AWS microservice suite to reduce costs by 90% compared to the current on-premise solution
- Designed a Broadridge online digital investor resource mobile app, which would massively reduce printing and mailing costs

## Projects

### Carrot Wolf

A Rogue-like game written in functional JavaScript using Redux for state management and Storybook for UI Testing

### Hershnagpal.com

My personal website written in functional TypeScript with Styled Components and Storybook, using AWS Amplify for CI/CD

### Egyptian Rat-Screw

An iOS version of my favorite card game, without the hand-slapping, written in Swift using SwiftUI and Combine

### WayMovies

An iOS app that allows browsing, searching, and saving movies, powered by TMDB. Written in Swift using UIKit and Autolayout

### Web Checkers

An online checkers site where you can play against your friends or an AI player. Made using Java, Freemarker, and Spark

### FiTR Skills

An RIT Sponsored startup for whom I created the MVP web application in React and Node, with MongoDB and Twilio integration

## Education

### Rochester Institute of Technology

B.S. IN SOFTWARE ENGINEERING, MINORS IN COMMUNICATION AND PSYCHOLOGY