Hersh **Nagpal**
SOFTWARE ENGINEER

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Experience

DraftKings
SOFTWARE ENGINEER   *New York, NY*
Aug 2022 – Jun 2023
- **Skills Utilized:** Swift, SwiftUI, Redux, Combine, Composable Architecture, Functional Testing, C#, Xamarin, .NET, Postman, Charles Proxy, Figma
- Implemented and tested the Team Pages feature using SwiftUI, Redux state management, and MVVM Architecture
- Optimized several app pages, including Event and League pages, to ensure peak performance during the Super Bowl and March Madness events
- Developed and released Player Info Page, Player Stats and News, and College Sports Navigation features using C# and Xamarin
- Increased app stability through high quality code review, unit testing, functional testing, and integration testing
- Reduced app complexity and crashes through rigorous decoupling of view models, optimizing of inefficient algorithms, and refactoring of views

Posterity
SOFTWARE ENGINEER   *New York, NY*
Feb 2022 – Jun 2022
- **Skills Utilized:** React, TypeScript, NextJS, Styled Components, CSS, Funtional Testing, Integration Testing, Figma, Storybook, Entrepreneurship
- Reduced build time and codebase complexity by developing reusable components and layouts, while perfectly matching Figma design specifications
- Architected the full stack web-application alongside senior developer to massively increase scalability, maintainability, and testability
- Ensured pixel-perfect component design and isolated component testing by implementing the Storybook open-source framework
- Regression tested all new components and pages to ensure seamless integration with both the re-architected React PWA and legacy application

PayPal
SOFTWARE ENGINEER, CO-OP   *Boston, MA*
Jun 2021 – Dec 2021
- **Skills Utilized:** Swift, UIKit, XCTest, Charles Proxy, Postman, Figma, Market Research, Competitive Analysis, Unit Testing
- Implemented localization of components for PayPal Business Debit, ensuring conformance to security and legal standards for each EU jurisdiction
- Refactored and optimized outdated client-side Swift code used to handle sensitive business user financial data
- Ensured complete Unit Test coverage and functional, regression, and integration test passage for all features released through the team
- Researched new markets, mapped competition, and developed product names for 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
SOFTWARE ENGINEER, CO-OP   *Boston, MA*
Jan 2020 – Jun 2020
- **Skills Utilized:** Swift, UIKit, Autolayout, CocoaPods, XCTest, Jira, GitHub, GraphQL, UI Design, Unit Testing
- Developed the "Product Details" page, "Related Product" carousels, and product image carousels using Swift UIKit and VIPER Architecture
- Created "Related Items" page, "Frequently Bought Together" carousel, "Additional Information" menus, and image carousels on all product pages
- Implemented multitasking split-view capability on iPad throughout the iOS App alongside QA teams for functional testing
- Volunteered to host charity events on behalf of Wayfair to raise funds for St. Jude's Children's Hospital

Broadridge
SOFTWARE ENGINEER, INTERN   *Deer Park, NY*
Jun 2019 – Aug 2019
- **Skills Utilized:** DevOps, AWS (CloudFormation, S3, IAM, EC2), Javascript, UI Design, Jenkins, Marketing, Public Speaking
- Designed 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 and architected Broadridge online digital investor resource mobile app MVP, which would massively reduce printing and mailing costs
- Led a multi-disciplinary team to research investment trends and create marketing strategy to increase engagement in paperless investor resources

Skills

Mobile Development	**Swift** (SwiftUI, Redux, UIKit, Combine, CocoaPods, XCTest), **C#** (Xamarin, .NET, Xamarin Forms)
Web Development	**TypeScript, JavaScript** (React, Redux, Node), **CSS** (SCSS, Styled-Components) **HTML**, **JSX**
Process and Product	SCRUM, Agile, Software Testing (Unit Tests, Integration Tests, Regression Tests, User Acceptance), Kanban, Lean
Other Software	Java, Python, AWS, Git (Github, BitBucket), Postman, Figma, GraphQL, Jira, Office Suite, Google Workspace, Firebase

Projects

Egyptian Rat-Screw	An iOS version of my favorite card game, released to the App Store worldwide and written in Swift using SwiftUI and Combine
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
WayMovies	An iOS app that allows browsing, searching, and saving movies through TMDB API, written in Swift using UIKit and Autolayout
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
Rochester, NY
B.S. IN SOFTWARE ENGINEERING, MINORS IN COMMUNICATION AND PSYCHOLOGY
- Relevant Coursework: Foundations of Artificial Intelligence, Software Testing, Analysis of Algorithms, Small Group Communication, Public Speaking