Hersh **Nagpal**
SOFTWARE ENGINEER

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I'm a software engineer currently working in web and mobile development using React and Swift. As an engineer and a communicator, I strive to maintain equity, safety, and forward thinking in my teams, organizations, and most importantly, myself. I use my multidisciplinary education and experiences to create stellar group dynamics because the most important step of creating good software is nurturing the environment where its creators can grow.

Education

Rochester Institute of Technology *Rochester, NY*

B.S. IN SOFTWARE ENGINEERING

MINORS IN COMMUNICATION AND PSYCHOLOGY *Aug 2017 – Aug 2022*

Experience

PayPal *Remote, Boston, MA*

IOS ENGINEER CO-OP / BRAND ARCHITECTURE INTERN *Jun 2021 – Dec 2021*
- **Skills Utilized:** Swift, Objective-C Postman, XCode, Unit Testing, Mobile Development, Agile, 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- Refactored and modernized outdated client-side Swift code for iOS PayPal Card products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 *Boston, MA*

IOS ENGINEER CO-OP *Jan 2020 – Jun 2020*
- **Skills Utilized:** Swift, UIKit, Autolayout, GraphQL, UI Design, Mobile Development, Agile, SCRUM
- Developed the "Product Details" page, "Related Product" carousels, and product image carousels for the Wayfair 2020 iOS redesign
- Architected and re-designed 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
- Wrote effective user stories and clear acceptance criteria, and participated in scoping and retrospective rituals based on SCRUM practices
- Volunteered to host charity events on behalf of Wayfair to raise funds for St. Jude's Children's Hospital

Broadridge Financial Solutions *Deer Park, NY*

DEVOPS INTERN *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 mock brand-new Broadridge online digital investor resource mobile app, which would massively reduce printing and mailing costs
- Led a multi-disciplinary team to research digital investment trends and create marketing strategy to increase engagement in all-digital investor resources
- Presented mobile app design, marketing strategy, and methods of implementation to company executives to discuss how Broadridge's operational costs would be reduced by over 50%

Projects

Hershnagpal.com *React Webpage Hosted on AWS*
- **Skills Utilized:** Functional Javascript, React, CSS, JSX, AWS, Adobe Illustrator, Web Development
- Developed a personal website in functional JavaScript, using AWS CI/CD pipelines and hosting

The Movie Database *iOS Mobile App*
- **Skills Utilized:** Swift, UI Design, Mobile Development
- Created an iOS app based on "The Movie Database" API with features including an account-based favorites, movie search, and recommendations

Carrot Wolf *React Web Game*
- **Skills Utilized:** Functional Javascript, React, Redux, CSS, JSX, Web Development, Game Development
- Designed and developed a rogue-like web-based game in functional React using Redux and MaterialUI styles

Brick House Design Company *Student-Run Startup*
- **Skills Utilized**: Entrepreneurship, Customer Discovery, Competitive Analysis, Small Group Communication
- Co-founded a clothing startup and led customer discovery, supply chain, and competitive analysis

Skills

Software Swift, JavaScript, CSS, HTML, JSX, VS Code, XCode, Autolayout, UIKit, React. Familiar with Objective-C, SQL, Python, GraphQL, Java

Soft Skills Applied Entrepreneurship, Small Group and Interpersonal Communication, Industrial/Organizational Psychology