Jack Sheridan

Software Engineer

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EDUCATION

❖ **UC San Diego** — *Masters in Computer Science*
  - ❖ GPA: 3.888 ~ Graduated Cum Laude
  - ❖ SEPTEMBER 2021 - JUNE 2022
  - ❖ Focusing on Computer Systems depth: software engineering management, database design and implementation, distributed computing, and distributed networked systems.

❖ **UC San Diego** — *Bachelors in Computer Science*
  - ❖ GPA: 3.841 ~ Graduated Cum Laude
  - ❖ SEPTEMBER 2018 - JUNE 2021
  - ❖ Studied basic software topics: data structures, algorithm design, computability, and complexity.

EXPERIENCE

❖ **Citizenly** — *Senior Backend Engineer*
  - ❖ Oregon ~ Remote
  - ❖ JULY 2022 - Present
  - ❖ Full time software engineer building multiple backend APIs in NodeJS with Express in TypeScript.

❖ **Odyssey Teams** — *Full-Stack Software Engineer*
  - ❖ Chico, CA ~ Hybrid Remote
  - ❖ JULY 2020 - MARCH 2022
  - ❖ Contract built a web application that splits an image into a grid, provides each tile to participants, and reassembles an image from the participants' uploaded recreations.

❖ **Do All Outdoors** — *Mobile Software Engineer*
  - ❖ Nashville, TN ~ Fully Remote
  - ❖ DECEMBER 2019 - MARCH 2021
  - ❖ Contract built an app that connects via Bluetooth Low Energy to a skeet thrower to 'pull' skeet or randomize throwing angle. Includes voice recognition for hands-off control. iOS (Swift) and Android (Kotlin)

❖ **Triton Dine** — *Mobile Application*
  - ❖ Over 7,000 Users across both app stores
  - ❖ iOS (Swift) and Android (Kotlin)
  - ❖ An app that connects to the UCSD dining dollar service and budgets dining dollars for the rest of the school year.

❖ **assassin** — *Full-Stack Mobile Application*
  - ❖ Over 2,400 beta testers
  - ❖ iOS (Swift) and Android (Kotlin)
  - ❖ An app and a server that facilitates a competitive last-man-standing tag game. Includes a completely custom ReST API to interact with a MongoDB database.

SKILLS

iOS Development:
- XCode & Swift & SwiftUI & UIKit
- In-App Purchases & Paid Apps
- App Store Connect Management
- Local & Remote Push Notifs

Android Development:
- Android Studio Platform
- Java, Kotlin, XML Layouts, Jetpack Compose
- Google Play Console Management
- Local & Remote Push Notifs

Web App Development:
- ReactJS, NextJS, SvelteJS
- JavaScript, Typescript
- Cookies, authentication management
- SSR & CSR
- HTML, CSS, PHP

APIs and Backend Development:
- ReST, JSON, Protobufs, gRPC, WebSockets
- Reverse Proxies, Load Management and Distribution
- NodeJS/NPM & Express
- Secure Linux server setup
- Nginx & Apache
- JWT Signing and Verification
- TLS certification
- Apple and Google Authentication

Databases:
- Document DB (MongoDB)
- SQL (PostgreSQL, MySQL)
- Schema Design
- Database Implementation
- Query Processing & Optimization

OOP:
- C, C++, Java
- Design Patterns

Cloud Management:
- Google Cloud Console
- Digital Ocean Droplets and Spaces
- AWS EC2, S3, CloudFront