

# Jack Sheridan

Senior Software Engineer

Cell: [Available upon request]

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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**
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  - ❖ Portland, Oregon ~ Fully Remote
  - ❖ JULY 2022 - Present
  - ❖ Managing an international team designing and building a TypeScript backend infrastructure as well as an extensible relational data model for a large data pipeline. In charge of all DevOps, as well as AWS deployment on S3, Cloudfront, Lambda, RDS, and EC2. CEO John Horton reference available upon request.
- ❖ **Odyssey Teams — Full-Stack Software Engineer**
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  - ❖ 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**
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  - ❖ 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**
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  - ❖ 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**
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  - ❖ Over 4,700 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

### APIs and Backend Development:

- ReST, GraphQL, JSON, Protobufs, gRPC, WebSockets, SSE
- Reverse Proxies, Load Management and Distribution
- NodeJS/NPM & Express
- Nginx, Apache
- JWT Signing and Verification
- TLS certification
- Apple, Google Authentication

### Cloud Management:

- AWS EC2, S3, CloudFront, SAM, Lambda
- Google Cloud Console
- Digital Ocean Droplets and Spaces

### Databases:

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

### 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, Flutter
- JavaScript, Typescript
- Cookies, authentication management
- SSR & CSR
- HTML, CSS, PHP

### OOP:

- C, C++, Java
- Design Patterns

References available upon request