

# Ismael Vazquez Jr.

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## EDUCATION

### **Bachelor of Science in Computer Science**

Anticipated Graduation: March 2022

Western Governors University, Salt Lake City, UT

- Studies focused in Software Engineering, Database Management, and Network Infrastructure Design
- Courses completed – Computer Architecture, Networks and Security, Project Management, Linux Foundations, Scripting and Programming, Emerging Technologies, Web Development Foundations, Ethics in Technology, Database Management Foundations

## CERTIFICATIONS

- CompTIA A+, Security+, Project+
- CIW Site Development Associate Certified
- LPI LE: Linux Essentials

## INFORMATION TECHNOLOGY COMPETENCIES

**Systems:** Windows Server, Linux, Mac OS, Android, iOS, Windows PC

**Languages:** SQL, HTML, CSS, JavaScript, React, Golang, C++, C#, Java, Python, Bash

**Software:** MS Word/Excel/PowerPoint/Outlook, Photoshop, Illustrator, After Effects, Vim, Git, Visual Studio Code, Docker, VMware

## EXPERIENCE

### **To-do Application** – <https://ismaelvazquezjr.com/react-projects/todo-app/>

- This is a to-do application created using React JS that connects to a Golang backend to persist tasks. The backend is running over HTTPS with the help of Let's Encrypt. The backend and the database are both running in separate dockerized containers on a digital ocean ubuntu instance. The frontend is being hosted on a shared Namecheap Ubuntu instance. The application is straight forward to use, add tasks and click on them once to complete/uncomplete them. Double click if you'd like to completely remove them.
- Technologies: HTML, CSS, JS, React JS, Go, MySQL (MariaDB), Docker, Let's Encrypt, Cloud VPS (Linux)
- Source code: <https://github.com/ismaelvazquezjr/todo-app>

### **Weekly Reversing Pro** (Still in development) – <https://github.com/ismaelvazquezjr/weekly-reversing-pro>

- Weekly Reversing Pro is a subscription service that sends reverse engineering challenges directly to our subscriber's inboxes.
- Technologies: HTML, CSS, JS, Next JS, Go, MySQL (MariaDB), Docker, Cloud VPS (Linux)

### **The Gibson Directory** – <http://thegibson.directory>

- Full-stack web application that allows users to submit links to cyber security related resources based on tags and allows other users to rate those resources based on those tags. This allows other users interested in searching for resources pertaining to a given subject to find the most relevant content.
- Technologies: HTML, CSS, JS, Go, MySQL (MariaDB) running in separated dockerized containers on a Digital Ocean Ubuntu instance.

### **Sudoku Solver** – <https://bit.ly/sudoku-solver-github>

- A Sudoku Solver application that allows the user to enter the board information manually or scans an image using optical character recognition (OCR) to populate those values and solves the puzzle using a backtracking algorithm.
- Technologies: C#, WPF, Tesseract.Net SDK

### **Indecision** – <https://bit.ly/indecision-app>

- Google Play Store published mobile application that allows the user to enter several options and returns a single choice, thus alleviating their indecision.
- Technologies: React Native, Android, iOS