Omar Shalaby

321-240-8343 | shalabymomar@gmail.com | linkedin.com/in/omar-shalaby | Github.com/Fedbca123 | oshalaby.dev

EDUCATION

University of Central Florida — Orlando, FL
Bachelor of Science in Computer Science — *Aug. 2020 – May 2023*

Valencia College — Orlando, FL
Associate's of Arts in General Studies — *Aug. 2018 – May 2020*

EXPERIENCE

Software Engineer Intern — May 2023 – September 2023
ADT — *(Remote) Boca Raton, FL*
- Worked with another developer and created an internal employee database and records permissions management app with Apex and SOQL for the backend and Lightning Web Components for the front end.
- Implemented features such as editing and saving changes to user roles/permissions, searching for users, certain permissions, or the risk level associated with permissions. Also implemented exporting selected rows of data as a csv file in the scope of over hundreds of thousands of users worth of data.
- Developed features in the backend such as initial retrieval of data when entering the site, updating the database with any changes made in the frontend, and creating a risk level column based off employee roles assigned to them.

Food Runner — June 2018 – May 2023
Universal Orlando — *Orlando, FL*
- Delivered food to tables and provide exceptional service to guests by answering questions, while making sure the food accomodated the guests allergies.

PROJECTS

Pokemon Game Engine | *TypeScript, HTML, CSS, React, Vite, Tailwind, Go, Wails*
- An open source desktop app made with a team of two that allows users to make their own custom Pokemon games to play and distribute.
- Designed and implemented the frontend UI to allow users to edit assets from official Pokemon games while also allowing them to upload custom sprites to create their own custom regions, trainers, and Pokemon.
- Created reusable React components to quick start custom tools for the desktop application and to aid with scalability in the future.

Workout Buddy | *React Native, Node.JS, Express, MongoDB hosted on Azure*
- Created a MERN stack mobile app with a small team that allows users to create, customize, and schedule workouts along with notifying pairs of users that are friends to workout together to encourage finding an exercise partner.
- Designed and implemented front end for landing page, workout/exercise selection, settings, login/register UI using React Native.

Our Cooking Mama Social Media App | *MongoDB, Express, React, React Native, Node.JS (MERN) hosted on Heroku*
- Created a cooking-based social media app with a team that is optimized to lazy load in recent posts of the accounts the user follows on both web and mobile.
- Optimized lazy loading algorithm to reduced load time roughly 15% for the front end UI to create a more welcoming and interactive UX.

Portfolio Site | *TypeScript, CSS, React, Vite, C#, ASP.net, GraphQL, Docker hosted on Vercel*
- A React app constructed to show people work/project experience and programming skills at a quick glance.
- Implemented GraphQL to automatically grab and parse pinned Github repositories information to display in the front end, thus automating the projects section to always be up to date.
- Refactored the front end from JavaScript and create-react-app to TypeScript and Vite to allow better scalability.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, C#, Python, Java, Go, C++, MySQL, SOQL, C, PHP, LaTeX
Frameworks: React, React Native, Node.JS, Express, Vite, .NET, ASP.net, Lightning Web Components, Docker, Wails
Developer Tools: Git, Vite, Homebrew, Expo Go, GraphQL
Libraries: TensorFlow, Keras, Scikit-learn, pandas, NumPy, Matplotlib, Axios