

# Preston Wallace

## FULL STACK SOFTWARE ENGINEER

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### TECHNICAL SKILLS

PROFICIENT: JavaScript, Node, React, Redux, Vue, Express, MySQL, Sequelize, HTML5, CSS3, Git, PostgreSQL, Jest

KNOWLEDGEABLE: React Native, Docker, GraphQL, Perl, Knex, SEO, SEM, SMM, WordPress, Photoshop, Bootstrap, jQuery

FAMILIAR: C#, PHP, Feathers, Enzyme, Socket.io, Unity, Angular, Sass, Mercurial, MongoDB, AWS

### EXPERIENCE

**Software Engineer (Node) – Liquidity Services** Bethesda, MD (Full-Time, Remote) | Apr 2019 - Present

- Develop internal software solutions for warehouse management of large-scale dataset, with complex Schemas and logic.
- Run app in Docker, Leveraging Node.js, Express.js, and MySQL to manage the back end. Vue.js on the front end.
- Communicate with DevOps and Business Managers to determine goals and develop timely, efficient solutions accordingly.
- Engineer solutions in a team, while working independently, planning and executing unique solutions.

**Software Engineering Instructor – Fullstack Academy** New York, NY (Part-Time, Remote) | Apr 2019 - Present

- Lead remote cohorts for a remote software engineering course as a part of Cal Poly's Extended Education Program.
- Instruct on topics such as CSS/HTML, DOM, Object Oriented Programming, React, Node, REST, Express, and PostgreSQL.
- Lecture and Create live Node/React demo (3x/week), respond to student questions, complete on-demand demonstrations.

**Network Admin, Assistant Manager – K.Jons Diamonds & Gems** Atascadero, CA | Feb 2010 - Oct 2018

- Designed and Managed major version of company e-commerce site, with 1000+ items, and total inventory value of \$800K.
- Oversaw Migration from local database to continuous updates of Third Party data via API.
- Managed network of 8 PCs. Managed permissions. Resolved workstation issues, fax connection to server, Network devices.

**Web Developer – K.Jons Diamonds & Gems** Atascadero, CA | Feb 2008 - Feb 2010

- Transitioned website from static HTML to Dynamic WordPress with blog, auto DB backup, scheduled auto deployment.
- Increased traffic to website by estimated 100% over 2 years (mostly local).
- Landed site first-position worldwide in Google SERP listings for keywords.

**Web Developer – Preston's Creations (Self-Employed)** Atascadero, CA | 09/2008 - 07/2011

- Developed website plan, from Intake to Wire Frames. Designed using Photoshop. Coded HTML/CSS files sitewide.
- Secured hosting and domain name for client. Uploaded via FTP and deployed.

### PROJECTS

**Warehouse Management System** (TEAM, PROFESSIONAL) | DEVELOPER | APR 2019 - Present | Internal project (repo/deploy is private)

Node/SPA app, enabling automation of inventory management concurrently in multiple warehouses nationwide for Liquidity Services (reverse supply chain). Scripts and operations deal with millions of records in the database.

**Liquidation.com** (TEAM, PROFESSIONAL) | DEVELOPER | APR 2019 - Present | (repo is private) | [liquidation.com](https://liquidation.com)

Ecommerce auction platform for Liquidity Services. Data interacts with above WMS and other admin-facing applications.

**Exercise Records API** (PERSONAL) | DEVELOPER | JUN 2020 | (repo is private) | [fitnessrac-kr.herokuapp.com](https://fitnessrac-kr.herokuapp.com)

Activity tracking CRUD app with REST API endpoints. Built in Node.js, PG, and PostgreSQL, with a secure Express server authenticated via JWT. Automated Tests written in Jest. Continuous deployment from GitHub to Heroku.

**Air Suspension Controller** (TEAM, PROFESSIONAL) | DEVELOPER | FEB-MAR 2020 | (repo is private)

React Native app, controlling vehicle air suspension via 2-way, real-time bluetooth communication with vehicle ECU.

**AR Tower Defense** (TEAM) | DEVELOPER | JAN 2019 | [github.com/bad-bots/towar-defense](https://github.com/bad-bots/towar-defense) | [play.google.com/store/apps/details?id=com.badbots.towardefense](https://play.google.com/store/apps/details?id=com.badbots.towardefense)

An Augmented Reality 2-player 3D game implementation of Tower Defense, built in Unity, with front-end logic written in C# and back-end written in node.js using socket.io and loki.js for multiplayer functionality.

**Ecommerce App** (TEAM) | DEVELOPER | JAN 2019 | [github.com/TheBugStopsHere/DebugClub](https://github.com/TheBugStopsHere/DebugClub) | [the-bug-stops-here.herokuapp.com/](https://the-bug-stops-here.herokuapp.com/)

Personal team project e-commerce app. Hand-coded from scratch, using Node, Express, React, PostgreSQL.

**AI Facial Tracker** (PERSONAL) | SOLE DEVELOPER | JAN 2019 | <https://github.com/wallacepreston/deveq> | <https://deveq.herokuapp.com/>

Artificial Intelligence application that detects emotion in the user's face and educates the user based on this information.

### EDUCATION

**Certified Secure Coding Professional – binsec academy** | Sep 2020

**Software Engineering – Fullstack Academy** | San Luis Obispo, CA | Jun 2018 - Feb 2019

Leveled-up my Javascript skills, diving deep into Node, Express, React, closure, prototypal inheritance, and recursion.

**Associate in Arts, General Studies – Cuesta Community College** | San Luis Obispo, CA | 2008 | 3.83 GPA w/ High Honors

**SPOKEN LANGUAGES** – English, French, Spanish

**FUN FACT ABOUT ME** – I enjoy playing Improvisational Piano.