

Preston Wallace

FULL STACK SOFTWARE ENGINEER

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TECHNICAL SKILLS

PROFICIENT: JavaScript, Node, React, GraphQL, Vue, Express, MySQL, Sequelize, HTML5, CSS3, Git, PostgreSQL, Jest
KNOWLEDGEABLE: React Native, Docker, Redux, Perl, Knex, SEO, SEM, SMM, WordPress, Photoshop, Bootstrap, jQuery
FAMILIAR: C#, PHP, Feathers, Enzyme, Socket.io, Unity, Angular, Sass, Mercurial, MongoDB, AWS

EXPERIENCE

Backend Software Engineer (Node/GraphQL) – MNTN Culver City, CA (Full-Time, Remote) | Jul 2021 - Present

- Designing and implementing low-latency, high-availability, and performant applications via Node and GraphQL.
- Collaborating with Designers, Product Managers, and Software Engineers to deliver performant server side applications.

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.

Software Engineer (Node) – Liquidity Services Bethesda, MD (Full-Time, Remote) | Apr 2019 - Jul 2021

- Developed internal software solutions (Node, Express, Vue, Docker) for warehouse management of large-scale datasets.
- Created automated data-collection tool to populate inventory data, increasing efficiency of receive-and-sort time by 50%.
- Bootstrapped integration testing for Rest and GraphQL API endpoints, increasing code coverage from 0% to over 70%.

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 site by est 100%, and 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.

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

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

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 | 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 | 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.