Preston Wallace
FULL STACK SOFTWARE ENGINEER

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

EXPERIENCE

Software Engineer (Node/React/GraphQL) – *MNTN* Culver City, CA (Full-Time, Remote) | Jul 2021 - Present
- Architecting 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 apps.
- Pairing with frontend and data engineers, debugging and contributing to React/Apollo codebase and PostgreSQL database.

Lead Software Engineering Curriculum Writer – *Multiverse* New York, NY (Part-Time, Remote) | Dec 2021 - Present
- Architecting & writing 12-week immersive SWE bootcamp for apprentices at companies like Google, Verizon and Barclays
- Leading team of Curriculum Writers, reviewing & editing lessons. Adding lessons on advanced topics like Docker and React

Lead Software Engineering Instructor – *Fullstack Academy* New York, NY (Part-Time, Remote) | Apr 2019 - Present
- Instructed via live code demo (3x/wk) on topics like CSS/HTML, DOM, OOP, React, Node, REST, Express, and PostgreSQL.
- Led up to 6 instructors on a 6-month rolling basis, reviewed code & gave lesson feedback. Managed 10-cohort curriculum
- Built 15-endpoint API, used in student projects. Wrote 91-spec test suite for 2 projects, cutting grading time by 30%.

Software Engineer (Node/Vue/REST) – *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.

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) | fitnesstrac-kr.herokuapp.com
CRUD app with REST API endpoints. Used Node, PG, PostgreSQL. Secure Express server w/ JWT auth. TDD/CI/CD

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.