Preston Wallace
FULL STACK SOFTWARE ENGINEER

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TECHNICAL SKILLS

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

PROJECTS

eLevel+ *(TEAM, PROFESSIONAL)* | DEVELOPER | FEB-MAR 2020
React Native app, controlling air suspension on user's vehicle via real-time bluetooth communication with ECU.

Warehouse Management System *(PROFESSIONAL)* | DEVELOPER | APR 2019 (Ongoing) |Internal project (repo/deploy is private)
Node app managing inventory concurrently in multiple warehouses nationwide for Liquidity Services (reverse supply chain).
Scripts and operations deal with millions of records in the database.

TowAR 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.

The Bug Stops Here *(TEAM)* | DEVELOPER | JAN 2019 | github.com/TheBugStopsHere/DebugClub | the-bug-stops-here.herokuapp.com/
A fully-functional e-commerce app with shopping cart. While there are ready-made solutions that have much more
functionality, this app was hand-coded from scratch, using the NERP stack (Node, Express, React, PostgreSQL).

Dev-EQ *(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 educate the user based on this information.

EXPERIENCE

Node Engineer – *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 of Code* New York, NY (Part-Time, Remote) | Jun 2020 - Present
- Lead 35-student remote cohort for a Remote Coding Bootcamp as a part of Cal Poly's Extended Education Program.
- Instruct on topics such as CSS/HTML, jQuery, Object Oriented Programming, React, Node, REST, Express, and PostgreSQL.
- Lecture and Create live demo (3x/week), responding to student questions, doing on-demand demonstrations.

Instructional Associate – *FullStack Academy of Code* New York, NY (Part-Time, Remote) | Apr 2019 - Jun 2020
- Assisted in 15-student cohort, mentored students on the full stack JavaScript application and programming in general.
- Graded student projects (approx 15 weekly), performed code review. Debugged student code and worked through projects.

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.

Graphic Designer – *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.
- Managed $50K marketing budget. Edited via Photoshop, Illustrator, and Flash.

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.

EDUCATION

Software Engineering Immersive – *Fullstack Academy* | San Luis Obispo, CA | Jun 2018 - Feb 2019
Bootcamp diving deep into Node, Express, React, and PostgreSQL. Studied 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.