

Self-sufficient, quick learner who enjoys working independently and coordinating with team members to tackle challenging problems. Knowledgeable in architecture standards, engineering methodologies, redesign/refactoring processes, risk assessment/management, and security policies. Provides technical leadership, maintains high standards, and attention to detail. Also provides technical support for existing applications and application infrastructure (databases, configuration, security, etc). Knowledgeable in implementing CI/CD Pipelines deploying to different environments like AWS and VPS.

## Technical Skills

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**Frontend:** HTML, CSS, SASS, Javascript/ECMAScript, Ajax, Json, Xml, React, Angular **Backend:** MySql, PHP, Laravel, RESTful API's, Nginx, Apache, NodeJS, Linux, Amazon Web Services(AWS), Docker, Vagrant **Tools:** Git, Grunt, Eloquent, Composer, NPM, CI/CD, Automated Testing, Webpack **Methodologies:** Object-Oriented Programming(OOP), Model-View-Controller(MVC), Database Design, Functional Programming, Reactive Programming, Design Patterns, Software Development Life Cycle(SDLC)

## Professional Work Experience

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Band of Hands - Senior Full-stack Developer 6/2019 - Present

- Improved security by implementing custom Laravel Request for POST/PUT functionality. This change allows us to tight up parameter requirements and minimize internal conditionals.
- Incorporated an Access Control List(ACL) pattern in Laravel to authorize functionality based on roles. ACL also allows us to authorize users based on the role hierarchy.
- Upgraded Laravel application from version 4.2 to version 5.8. While upgrading Laravel, some third-party libraries were upgraded while some were removed.
- Upgraded PHP version from 5.X to 7.2. I also searched for deprecated functions and replaced them in the latest version or manually replicated the process if there wasn't a replacement.
- Reduced errors by integrating Slack into our logging process. Slack allows us to catch critical errors in real-time without the need of being logged into the server.
- Eliminated duplicated code by encapsulating functionality into objects and reusing it in other controllers.
- Implemented CI/CD Pipelines to improve our deployment process. The CI/CD Pipeline consisted of automated testing and deployment to an AWS EC2 Staging and Production Environment.
- Improved our local environment by replacing 4 Vagrant boxes with 1 Docker custom image resembling production.

Construction Service Workers - Web Developer 2/2019 - 6/2019

- Set up and configured network infrastructure with the use of servers, firewalls, and databases.
- Performed Front-end validation with HTML5 and Javascript. For back-end validation I used PHP and Regular Expression
- Using PHP and Laravel I created a School Administration Web application with CRUD functionality to automate the application process.
- I used MySQL to create a relational database structure in 3rd Normal Form(3NF) and with CMS capabilities. Achieved data integrity by implementing the correct data types and constraints.

OE Innovations - Freelance Fullstack Web Developer 2016 - 4/2019

- Worked closely with clients to understand and define problems, requirements, and possible solutions.
- Created and updated web applications from using HTML, CSS, Bootstrap, Javascript, VueJS, PHP and Third Party APIs like Twilio, Mailchimp, Google Maps, etc.
- Created MVPs and used OOP and MVC Frameworks like Laravel and OctoberCMS.
- Created and configured networks and optimized relational databases with 3rd normal form(3NF) using Mysql.

## Education

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San Joaquin High School 08/2004 - 07/2008

Georgia Institute of Technology - Database Systems Concepts and Design 09/2017 - 12/2018

## Projects

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Portfolio - <https://www.oscar-estrada.com>

Github - <https://github.com/oestrada1001>

Linkedin - <https://www.linkedin.com/in/oscar-estrada-6a7b58132/>