Sebastian Villarreal

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WORK EXPERIENCE

South Carolina Revenue and Fiscal Affairs Office

Application Developer II   Sept 2016 - Oct 2023

- Served as lead developer on a web application for the SC Department of Social Services that facilitated data capture during on-site reviews of SC childcare service providers, generating summary documents and quality ratings used to promote continuous improvement of childcare statewide.
- Collaborated with development team and client to find fullstack solutions that met client's needs in an efficient and user-friendly way.
- Prioritized security considerations with all code contributions, third party dependency management, and peer code review.
- Employed a PORO-based approach to system design for optimal accessibility, scalability, and testability, striving for comprehensive test coverage across MVC and PORO (service objects, decorators) layers.
- Maintained regular communication with client to address any UX painpoints in a timely manner.
- Managed project tickets through each phase of development ensuring client, development team, and management were aligned in understanding of work completed, in progress, and on the horizon.
- Carried out code review for multiple agency projects identifying areas for improvement (security, UI/UX considerations, performance optimization, etc.) ahead of merge and release.
- Pair programmed for troubleshooting, idea sharing, and cross training purposes.
- Documented development team workflow processes and project-specific setup/domain knowledge keeping project accessibility for current and future developers in mind.
- GIAC Web Application Defender certified.

Halliburton — Sperry Drilling Services

MWD Field Engineer   May 2014 - Sept 2015

- Prepared and built equipment/tools according to drilling parameters guaranteeing safe and effective operation down hole.
- Monitored log generation and reliability of real-time and recorded data for informed decision-making that cut drilling time and costs.
- Coordinated with Houston base to ensure on-site tool inventory met demands of each job at each phase of the drilling process.

EDUCATION

The Iron Yard - Houston

Backend Web Development (Ruby on Rails)   April 2016

The University of Texas at Austin

B.A. Economics - Spanish Minor   Dec 2009

SKILLS

- Languages: Ruby, JavaScript, Python, HTML, CSS/SCSS, SQL, Bash Scripting
- Libraries: Ruby on Rails, Flask, NodeJS, Bootstrap, Semantic UI
- Technologies: Git, Docker, MySQL, PostgreSQL, Linux, MacOS
- Methodologies: CI/CD, TDD, Agile