SEBASTIAN VILLARREAL

WEB DEVELOPER / O&G PROFESSIONAL

💼 EXPERIENCE

10/31/23
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2016

Application Developer II

South Carolina Revenue and Fiscal Affairs Office   📍 Columbia, SC

- 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.

2015
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2014

MWD Field Engineer

Halliburton — Sperry Drilling Services   📍 Houston, TX

- 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.

2014
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2013

Mud Logger

Continental Laboratories   📍 Houston, TX

- Ensured efficiency, safety, and cost control by providing client with detailed analytical record of the wellbore environment during drilling and completions.

2012
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2011

Associate Field Landman

Chesapeake Energy   📍 Oklahoma City, OK

- Performed mineral and surface title research, due diligence title checks, and cured title issues.

🎓 EDUCATION

2016

Back-End Web Development

The Iron Yard - Ruby on Rails   📍 Houston, TX

2009
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2006

B.A. Economics — Spanish Minor

The University of Texas at Austin   📍 Austin, TX

Study Abroad Program - Santander, Cantabria, Spain

CONTACT INFO

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SKILLS

🗄 **Back-End**
- Ruby OOP Language
- Rails MVC Framework
- SQL/Postgres
- RESTful Design

</> **Front-End**
- HTML5/CSS3
- Bootstrap/Semantic UI
- ES5/ES6/jQuery

⑂ **Workflow**
- Agile Methodology
- TDD
- Git VCS
- CI/CD