

# SEBASTIAN VILLARREAL

WEB DEVELOPER / O&G PROFESSIONAL



## EXPERIENCE

10/31/23  
|  
2016

### Systems Programmer/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 child care service providers, generating resulting summary documents and quality ratings used to promote continuous improvement of child care 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.
- Strived for comprehensive test coverage of codebase contributions.
- Maintained regular communication with client to address any UX painpoints in a timely manner.
- Managed project-related tickets through each phase of development ensuring client, management, and development team 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  
|  
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  
|  
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  
|  
2011

### Associate Field Landman

Chesapeake Energy

📍 Oklahoma City, OK

- Performed mineral and surface title research from patent to present, due diligence title checks, and identified and cured title issues.



## EDUCATION

2016

### Back-End Web Development

The Iron Yard - Ruby on Rails

📍 Houston, TX

2009  
|  
2006

### B.A. Economics — Spanish Minor

The University of Texas at Austin

📍 Austin, TX

Study Abroad Program - Santander, Cantabria, Spain

## CONTACT INFO

🌐 [sebvillarreal.com](http://sebvillarreal.com)  
🐙 [github.com/sv886](https://github.com/sv886)  
✉ [sebastianv09@gmail.com](mailto:sebastianv09@gmail.com)  
📞 281.630.2410

## 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