Sebastian Villarreal

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WORK EXPERIENCE

CancerIQ

Production Support Engineer   Oct 2024 - Current

- Delivered timely technical support for a SaaS platform, diagnosing and resolving production issues to ensure service reliability.
- Collaborated with internal engineering, QA, product, and customer success teams to triage incidents and drive root cause analysis.
- Maintained comprehensive documentation of client interactions, implemented solutions, and technical processes in Jira, ensuring accurate records and streamlined communication.

South Carolina Revenue and Fiscal Affairs Office

Application Developer II   Sept 2016 - Oct 2023

- Led development and support of a HIPAA-compliant Ruby on Rails application for the SC Department of Social Services, focused on performance, security, and data integrity.
- Designed and implemented API integrations for secure data transfer across systems.
- Employed a service object approach to system design for optimal accessibility, scalability, and testability, striving for comprehensive test coverage across all application layers.
- Participated in code review and pair programming for quality assurance and team alignment.
- Authored and maintained documentation to support team operations and project longevity.

Halliburton — Sperry Drilling Services

MWD Field Engineer   May 2014 - Sept 2015

- Functioned as lead Measurement While Drilling engineer at well site during drilling process.
- 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.
- Plays Worked: Eagle Ford Shale, Permian Basin, Haynesville Shale (TX).

Continental Laboratories

Mud Logger   Oct 2013 – May 2014

- Ensured efficiency, safety, and cost control by providing client with detailed record of wellbore geology, formation gas, and drilling/mud parameters during drilling and completions.
- Monitored, maintained, and repaired logging equipment throughout drilling process for accurate reads on real-time data.
- Plays Worked: Eagle Ford Shale (TX).

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

- Technologies: Windows, Linux, MacOS, MS Office Suite, Pason, Git, Docker, MySQL, PostgreSQL
- Web Dev: Ruby (Rails), JavaScript (NodeJS), Python (Flask), HTML/CSS (Bootstrap), SQL, Bash
- Methodologies: CI/CD, TDD, Agile