JAIDEV GOKHALE

Full-Stack Software Engineer

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Skilled software engineer with demonstrated ability on leading technologies, languages and frameworks used in modern full-stack software development. Combines lessons learned from prior experience in petroleum engineering with modern software engineering practices to drive software development. Maintains a foundation of analytical thinking ability, troubleshooting, and interpersonal skills.

CERTIFICATIONS

CERTIFICATE IN SOFTWARE ENGINEERING – 2020

DIGITALCRAFTS

Full-stack software engineering program providing an emphasis on prevalent programming languages, cutting edge frameworks and server-side technologies. JavaScript, Python, MATLAB, VBA, Node.js, React, Express, Redux, PostgreSQL, Bootstrap, Flexbox, HTML, CSS, Debugging, and AWS skills.

EDUCATION

PETROLEUM AND NATURAL GAS ENGINEERING, Bachelor & Master of Science - B.Sc, M.Sc.   2011, 2014

PENNSYLVANIA STATE UNIVERSITY

SOFTWARE DEVLOPMENT PORTFOLIO

SEAN VS AI   8/2020

DIGITALCRAFTS

Interactive group project using Python and the Pygame library, to create a puzzle based third person game with visual graphics. Project incorporates object-oriented programming practices as well as a custom-built physics engine. I was responsible for developing the character movement and interactions, by leveraging the Pygame library.

GLOBAL SNAKE   9/2020

DIGITALCRAFTS

Frontend group project utilizing HTML5, CSS3, JavaScript and the Bootstrap framework. Project works with several third-party APIs including OpenWeather, REST Countries and Pexels. Integrating these APIs, users can discover new countries and gain insightful knowledge. I played a key role implementing functional capability with JavaScript, interacting with third party APIs and improving the UI/UX.

CAREER HISTORY

WIRELINE FIELD ENGINEER (SPECIAL SERVICES)   8/2018 – 2/2020

PIONEER ENERGY SERVICES: Houston, TX

Provided specialty logging (measurement) services to U.S. oil and gas production companies.

- Increased revenue for the company's specialty logging division by over 25% by successfully completing jobs.
- Played a key role in knowledge generation and distribution for troubleshooting wireline logging tools.
- Trained junior and senior engineers on the operation and use of modern logging technology.

RESERVOIR ENGINEER   8/2015 – 8/2018

CGT ENERGY, LLC.: Dubai, U.A.E. & Houston, TX

Investigated and assessed hydrocarbon reservoirs (reservoir sizes, asset performance, and reserve volumes).

- Created a start-up portfolio of oil and gas revenue interest assets and improved assessment parameters.
- Actively participated in bidding and purchasing of assets, including high-level administrative procedures.

RESERVOIR ENGINEER   7/2014 – 7/2015

REX ENERGY CORPORATION: State College, PA

Analyzed assets/reservoirs, allocated well placements, and developed completion plans to optimize lease performance.

- Improved completion efficiency of Marcellus and Utica leases, through optimum allocation of proppant concentration.
- Built numerical simulation models to history match production from shale gas wells.