

# ALEX MONTGOMERY

Web Developer / Petroleum Engineer

📍 Houston, TX

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## Languages & Frameworks

### Front End:

- JavaScript
- HTML
- CSS
- React.js
- Responsive Design
- Bootstrap

### Back End:

- Node.js
- ExpressJS
- PostgreSQL
- MongoDB
- RESTful APIs

### Version Control:

- Git
- GitHub

## References

Available on request

## Education

Sept 2017

### Web Development Course

The Iron Yard - Houston, TX

16 week, full-time immersive coding bootcamp course focused on client- and server-side web application development

May 2009

### Bachelor of Science - Petroleum Engineering

Texas A&M University - College Station, TX

## Portfolio Projects

### Gabble

Social media site similar to Twitter that allows users to sign-up, login, and post messages up to 140 characters in length

NodeJS/Express/PostgreSQL -- <https://gabble-alexhmonty-2017.herokuapp.com/login>

### Flipcards

Site that allows the user to create, store, and view decks of digital flashcards

NodeJS/Express/MongoDB -- <https://cardflipper-alexhmonty-2017.herokuapp.com/login>

### MusicStorm

Site that allows the user to search and play music from by calling Soundcloud API

JavaScript/HTML/CSS -- <https://alexhmontgomery.github.io/musicstorm/>

## Professional Experience

2015 - 2017

### Operations Engineer

Pintail Oil & Gas, LLC

- Responsible for the maintenance and optimization of 120 active onshore wells in multiple fields throughout the Gulf Coast Basin in Texas & Louisiana
- Conducted day-to-day well surveillance and optimized gas lift and rod pump design to meet production and financial targets
- Performed workovers and recompletions by creating procedures and AFEs, managing the wellsite leader, and tracking costs

2011 - 2015

### Project Engineer -

Weatherford International

- Responsible for the design, planning, and execution of MPD (managed pressure drilling) operations domestically and internationally
- Performed detailed rig surveys and generated piping and instrumentation diagrams (P&ID) for implementation of MPD operations with drilling rigs
- Conducted in-depth engineering studies to analyze drilling window, flow modeling, and surge/swab effect
- Planned, supervised, and performed post-job analysis on the first automated MPD well for a new client leading to multi-well package

2009 - 2011

### District Engineer

Superior Energy Services - Pressure Pumping Division

- Communicated with clients to design slurries, schedule pressure pumping operations, and perform follow up on cement work
- Scheduled equipment and crews for pumping operations and provided real-time troubleshooting for crews