



JOEL LEGG

SOFTWARE DEVELOPER

CONTACT

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TECHNOLOGIES

JavaScript	HTML & CSS
React	Slack
Angular	Firebase
jQuery	Ionic
PostgreSQL	Git/GitHub
Express	Bootstrap
Node	

EDUCATION

University of Alabama

M.S. Geology

Austin Peay State University

B.S. Geoscience

EXPERIENCE

SOFTWARE DEVELOPER

NASHVILLE SOFTWARE SCHOOL | NOV 2016 - PRESENT

Intensive full-time software development bootcamp focusing on AngularJS and Node.js development fundamentals

- Daily hands on application of development fundamentals through group and individual projects
- Created single page applications in JavaScript using the Angular and React frameworks as well as HTML, CSS, Bootstrap, and Materialize
- Worked with jQuery, a JavaScript library
- Source code/version control with Git/GitHub
- Project management through Trello and GitHub projects
- TDD with Mocha/Chai
- Created servers and RESTful API's with NodeJS and Express
- Retrieved and stored database information in Firebase, MongoDB, and PostgreSQL

PETROLEUM GEOLOGIST

SCHLUMBERGER | JULY 2014 - JULY 2016

Petroleum geologist tasked with building geologically and mathematically sound models to predict the generation, migration, and accumulation of hydrocarbons.

- Developed and optimized reservoir management strategies for clients as part of a multi-disciplinary team
- Data management and integration
- Utilized Python based code to scrape the web for well data
- Subsurface characterization of domestic and international basins using Petrel and Techlog
- Seismic interpretation
- Exploration assessments in the Middle East
- Utilized seismic and well data for modeling
- Applied neural net analysis, clustering, variogram analysis, and other techniques to create static 3d reservoir models
- Quantification of reservoir uncertainty and sensitivity
- Construction of basin and petroleum systems models

PROJECTS

TOOL-TRADER

Tool-trader is a mobile app that allows a user to borrow or rent tools from friends and locals. The app was built with HTML, CSS, JavaScript and the Ionic framework. Cordova plugins were used on the client-side, and Firebase for the server-side.

<https://github.com/joellegg/tool-trader-ionic>

WELL LOGGED

Well Logged is a web app that provides oil and gas data to geologists in a streamlined fashion. 351,091 well records were scraped from the CO state website and added to a PostgreSQL database using Node.js and Cheerio, while the api was set up with Express. The front-end was built with React, axios, and React Select. A future goal is to use machine learning to convert the tiff data to txt files.

https://github.com/joellegg/well_logged

<https://github.com/joellegg/well-logged-front>