

Adhar Adam Verma

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EXPERIENCE

- Full Stack Developer**, UT Coding Bootcamp 09/2019-03/2020
- Developed and refactored 20+ web applications incorporating languages and packages such as JavaScript, HTML/CSS, React, Node.js, Express, MySQL, Firebase, and JQuery
 - Collaborated in group projects on web apps to handle SQL and NoSQL databases by making queries, views, and procedures
 - Maintained Ubuntu host and NGINX servers storing containerized Docker applications for scalable and secure deployment
- Marine Surveyor**, Amrev Consultants Inc. 05/2019-Present
- Performed surveys such as ultrasonic tests and vessel hold inspections for examining the nature of potential cargo hold damage to mitigate losses and maintain professional autonomy on behalf of the owners, receivers, and underwriters
- LWD Field Engineer I**, Baker Hughes, a GE Company 08/2018-05/2019
- Managed 8 rig operations onsite and remotely and oversaw tool maintenance and operational reporting to ensure that service quality and safety requirements were met or exceeded
 - Reduced non-productive time by 10% by addressing deviances from planned well targets and tool specifications, actively communicating with drilling personnel, and troubleshooting glitches on well-monitoring software
 - Processed post-drilling data into database and delivered ad hoc reports for comparing of drilling parameters to optimize future equipment procurement
- Project Manager**, The University of Texas at Austin 02/2017-01/2018
- Authored cross-functional user stories and created detailed use cases and process flow diagrams to address targets of weekly sprints
 - Implemented the code successfully over 20 sprints by creating a user-friendly application that pushes, stores, and extracts data from a NoSQL database to produce graphical models with selectable inputs for drilling parameter comparison
 - Produced Python scripts for importing data into database, programming equations for drilling parameters such as penetration rate, tortuosity, and trajectories, and querying thousands of arrays
 - Built trajectory and BHA visualization models, and directional performance graphs on Spotfire using Hess and Apache data
 - Visualized downhole data (vibration, WOB/TOB) in understanding how to minimize drilling operation costs
 - Facilitated scrum meetings and client review meetings to recommend solutions for technical setbacks such as defining limits for data cleaning and feasibility of design requirements within time and cost restraints
- Drilling Simulation Analyst**, The University of Texas at Austin 05/2017-09/2017
- Supervised an ongoing psychology study observing the relationship between time and fatigue on a driller
 - Learned to fully operate an NOV Cyberbase Station that allowed for familiarizing with skills obtained during a real rig setting
 - Trained 12 professional drillers and troubleshooted for simulator malfunctions, debugging code, and system optimization
- Operations Analyst**, RigUp 06/2016-08/2016
- Introduced developments to bid analyzing/processing method by digitizing onboarding and invoicing between operators and service contractors, which increased workflow efficiency by over 40%
 - Utilized MS Excel and VBA heavily to restructure bid and procedure documents per applicable standards
 - Facilitated communication with functional business owners/team members and formed recommendations for effective operational policies and platform improvements

LEADERSHIP EXPERIENCE AND ACTIVITIES

- Founder**, Feeding Family 09/2015-05/2017
- Trained several teams to logistically deliver 200 pounds of food to underprovided people by liaising with local restaurants
- Treasurer**, Programmers in Science and Engineering 09/2016-01/2018
- Taught and organized programming workshops to help students learn Python tools and other packages
- Eagle Scout**, Boy Scouts of America 2006-present

EDUCATION

The Coding Bootcamp at UT Austin	Full Stack Development Certificate	March 2020
The University of Texas at Austin	Bachelor of Science, Petroleum Engineering	August 2018
	Texas Business Foundations Certificate	August 2018
Delft Institute of Technology	Study Abroad Credit, Petroleum Engineering and Geosystems	Spring 2018
	Thesis: "2D Model of Capillary Boundary Effect in Gas-Water Flow"	

ADDITIONAL INFORMATION

Computer Skills: Microsoft Office, Python, Java Script, JQuery, Express JS, NodeJS, HTML/CSS, MySQL, MongoDB, Spotfire, MATLAB, PHDWin, PVTsim, UI Path, Git, AutoCAD (P&IDs)

Certifications: Radio Operating License (2009), Texas Worker Identification Credential (2015)

Languages: Fluent in English and Hindi, Conversational in Spanish

Interests: Tennis, Road Cycling, Fantasy Football/Basketball, Acapella, Sushi

Work Eligibility: U.S. Citizen