Karan Shah

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PROFESSIONAL EXPERIENCE

Aker Solutions Inc, USA *Software Engineer I* Oct 2018 – Present

- Developing software for control of Subsea Equipment.
- Using network protocols for communication between subsea and control systems.
- Testing and troubleshooting systems using VTS, SMACS6 and Web4.

Vision 13 Technologies, USA *Program Intern* Mar 2018 – Aug 2018

- Developed a Cryptocurrency Trading Bot to determine the best time for selling and buying cryptocurrency.
- Designed a Cryptocurrency mining rig to mine crypto coins.

Omicron Sensing Inc, USA *Software Engineer* Feb 2018 - Mar 2018

- Worked on developing a temperature and humidity system for Omicron Sensing Products.
- Integrated the system with different temperature and pressure sensors to measure accurate readings.

Merlin Solar Technologies, USA *Engineering Intern* Jun 2017 – Sept 2017

- Developed a system for transferring data from solar modules and remotely sending it to user.
- Assembled and designed data logging product for real time visualization of voltage and current.
- Worked in a team of 4, for designing a LabVIEW project that plots real time data from DC Electronic Load.

PROJECTS

Kosmos Kodiak Field Project Feb 2020 – Present

- Designing software to support new subsea metering interface module for topside control system.
- Updating current software to support a new subsea well addition using proprietary network protocols.

Fieldwood Troika Field Project Jun 2019 – Jan 2019

- Designed software to support two new subsea well additions on Droshky Control System.
- Upgraded Core software for Droshky control system.

Cryptocurrency Trading Bot Mar 2018 – Jul 2018

- Developed a system with user interface for performing cryptocurrency trading.
- The algorithm is coded using NodeJS and can predict future trading values.

IoT based Data Logger Jun 2017 – Sept 2017

- Created a data logger system to update the values and display the same on website.
- Used Arduino, ThingSpeak, Matlab, SQL and Spring Framework for designing the system

Power House Surveillance Jan 2017 – Jun 2017

- Developed a surveillance system using the embedded webcam board that can be controlled through website.
- Equipped the system with PIR motion sensor and pan-tilt base for motion tracking.

TECHNICAL SKILLS

Programming Languages: C, VTS, NodeJS, Python, VHDL/Verilog, R, HTML, CSS, SQL

Simulation Software: MATLAB, OrCAD, Xilinx, Proteus, Eagle PCB, R Studio, Spyder, Tableau, SMACS6, WEB4

EDUCATION

Northwestern University Dec 2017
Master of Science in Computer Engineering *CGPA : 3.7*

D. J. Sanghvi College of Engineering- Mumbai University, India May 2016
Bachelor of Electronics &Telecommunication Engineering *CGPA : 8.39*