Prashanth Subrahmanyam

Recent CS grad with 11+ years in Oil & Gas - Engineering & Operations, looking to transition to software roles.
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SUMMARY

Driven engineer seeking to use Python, Cloud & Machine Learning skills to deliver business value through Digital Transformation.

EDUCATION

GEORGIA INST OF TECH
MS in Computer Science
July 2020 | Atlanta, GA
Specializing in Interactive Intelligence
GPA: 4.0 / 4.0

UNIVERSITY OF FLORIDA
MS in Mechanical Engineering
Dec 2008 | Gainesville, FL
Minor in Electrical & Computer Eng.
GPA: 3.6 / 4.0

UNIVERSITY OF PUNE
May 2006 | Pune, India

COURSEWORK

GRADUATE
Artificial Intelligence
Knowledge Based AI
AI for Robotics
AI - Ethics and Society
Machine Learning for Trading
Computer Networks

CERTIFICATIONS

AWS Solutions Architect – Associate
Cloud Computing Concepts – Coursera
Algorithms: Design & Analysis - Coursera
Quantum Information Science – edx
Deep Learning Foundations - Udacity

TECHNICAL SKILLS

Python • AWS • Git • Matlab • Simulink
PowerApps • PowerBI • Sharepoint
ANSYS • MathCAD • Creo
Design • Problem Solving • Architecting

LANGUAGES

Native fluency:
English, Hindi
Speaking fluency:
Portuguese, Tamil, Marathi

EXPERIENCE

SCHLUMBERGER | Houston, USA; Macae, Brazil; Luanda, Angola
Global Competency Manager - OneSubsea | May 2019 – Present
- Developed & deployed a field service competency assurance business system.
- Created the solution in an eco-system of PowerApps, PowerBI and Sharepoint.
- Managed competency for 500 field service employees and 40 managers.
- Created competency-based job planning and enabled promotion programs.

SAP Field Deployment Co-ordinator - OneSubsea | October 2018 – April 2019
- Led SAP S/4 Hana deployment in North America for $200M business.
- Championed business priorities in a 13-person scrum team for key functions.
- Designed and Tested business workflows scenarios including Sales Planning, Contracts Management, Intercompany Transfers, Product Service Delivery etc.
- Conducted Training and User Acceptance Testing (UAT) at field locations.

Senior Engineer (New Product Dev & Ops Systems) | Apr 2016 – Sept 2018
- Led re-design of next generation valve system with extreme pressure ratings.
- Re-engineered the valve with iterations over multiple FEAs using ANSYS.
- Developed Ops Procedures with Augmented Reality on Hololens and Unity.
- Authored 118 procedures along with their risks, workflows and assessments.
- Led the design for a 2nd Generation Strain Gauged Instrumentation Module.
- Defined requirements, created concepts and derived the measurement model.
- Validated model with Simulink and managed production of prototypes at OEM.

Project Engineer – Macae, Brazil | Sep 2014 – Mar 2016
- Responsible for deployment of new subsea technology for Petrobras.
- Awarded "President's Award–Silver" for our largest subsea project in Brazil.
- Mobilized 9 operations within a year, with a forecasted revenue of $60M.
- Led team of 30 individuals from diverse backgrounds, for offshore operations.

Design Engineer – Houston, USA | Jan 2012 – Aug 2014
- Responsible for manufacturing support for 33 subsea well control solutions.
- Facilitated 11-person team to strategize plan for 10x increase in reliability.
- Executed plan to reduce product from 84 to 33, to save $600K in inventory.
- Led 8-person teams for 9 failure investigations worth approximately $15M.
- Designed 9 equipment upgrades and 6 global alerts to prevent failures.

Subsea Field Engineer – Luanda, Angola | Sept 2009 – Aug 2011
- Led 3-person team for the deployment of well control equipment for Total.
- Tech and Field Program Recruit; Accepts <5% of newly hired engineers.

PROJECTS

Reinforcement learning based stock trading agent
- Built an agent that learns an optimal policy to trade stocks using Q-learner

Autonomous Agent to solve Raven's Progressive Matrics(RPMs)
- Built an agent that solves intelligence tests using Case-Based Reasoning.

Ice rover to navigate through an unmapped world
- Built a SLAM module & control system to navigate rover to sample sites.

Serverless Resume Website with CI/CD
- Built a resume website on AWS API Gateway, AWS Lambda, DynamoDB, AWS CodeBuild, AWS CloudFormation & GitHub Actions for CI/CD.