Fahd Siddiqui

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Software developer with experience in deploying apps in the cloud. Worked on several projects from inception to delivery. Familiar with AWS, Python, git, Jira. Permanent resident (Green card) authorized to work without sponsorship.

TECHNICAL SKILLS

Programming	Python, Java, C++, Bash scripting, git
AWS Technologies	Lambda, EC2, S3, IOT, API Gateway, DynamoDB Sagemaker
Data Science	Scikit-learn, Keras, Pandas, Numpy, Plotly, Tableau

PROFESSIONAL EXPERIENCE

Software Developer — **Feb 2020 — Present**
Corva — Houston, TX
- Led the development and built Corva's Drilling Guidance System using ML models and optimization schemes.
- Created automated model development pipeline using AWS Sagemaker with custom acceptance criteria and workflow.
- Coded algorithms to ingest several real-time data channels and classify events. This directly contributed to 20 products and reduced operations manual over-head.
- Everyday tools: Python, AWS Lambda, git, unit-testing, QA-testing, code reviews, automatic report generation.
- Less frequent: Docker, CI/CD deployment using GitHub actions, bash scripts etc.

Software Developer — **Aug 2019 — Present**
etble — Dallas, TX
- Created the highly scalable architecture for food ordering system using AWS Lambda, DynamoDB, and IOT.
- Developed, and deployed edge IOT hardware to display orders in the kitchen.
- Responsible for mobile app backend for processing orders, promotions, and payments using Stripe.
- Everyday tools: Python, AWS Lambda, git, unit-testing, QA-testing, code reviews.

Postdoctoral Fellow — **Jan 2017 — Feb 2020**
University of Houston — Houston, TX
- Developed open-source software (UHDFIT) using C++/QT for analyzing pressure data.
- Used AWS Lambda and Dynamodb for creating a custom licensing management API for UHDFIT software.
- Managed two fully funded ($400,000) research groups on "Electrohydraulic plasma fracturing" and "Fracturing diagnostic consortium"
- Everyday tools: Matlab, Python, Numpy, Matplotlib, C++.

Teaching Assistant — **Aug 2011 — Dec 2016**
Texas Tech University — Lubbock, TX
- Delivered software training, lectures, lab experiment setup.
- Safety captain for the Anadarko Unconventional Technology Center

Petroleum Engineer — **Mar 2009 — Dec 2010**
Pakistan Petroleum Limited — Karachi, Pakistan
- Reservoir simulation studies, reserve evaluation, economic evaluation, fracturing, PVT report analysis.
- Conducted oil in place study to correct the reserves booking by 10

EDUCATION

Doctor of Philosophy, Petroleum Engineering, Texas Tech University, 4.0/4.0	**Aug 2012 — Dec 2016**
Master of Science, Petroleum Engineering, Texas Tech University, 4.0/4.0	**Jan 2011 — Aug 2012**
Bachelor of Engineering, Petroleum Engineering, NED University, 3.7/4.0	**Jan 2005 — Dec 2008**