Phillip Gibson

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EDUCATION

University of Texas of the Permian Basin — August 2021 – May 2023
Master of Computer Science

University of Texas of the Permian Basin — August 2013 – May 2016
Bachelor of Science in Computer Science, Minor in Chemistry

EXPERIENCE

Application Developer — February 2017 – Present
Morrow Energy — *Midland, TX*
- Develop, and maintain scalable, dynamic code for use by all aspects of company.
- Created and maintained in house ERP system (ATLAS) which has processed over 100 million dollars to date.
- Created and maintained field program (Origin) that is used by 10+ renewable gas companies nationally.
- Responsible for all issues relating to network, hardware, and software systems.
- Developed and maintained API connections to ensure seamless data flow and real-time updates within the VMS platform.

Software Engineer I — July 2016 – January 2017
CACI — *Lawton, OK*
- Use CACI's standard policies and procedures to gain knowledge with identification, storage, and distribution of software documentation in accordance with applicable Department of Defense Standards and Army Regulations.
- Involved with inspecting and modifying test plans for the Advanced Field Artillery Tactical Data System (AFATDS).

PROJECTS

Covid 19 Dashboard | *Azure Data Factory, Databricks, Azure Data Lake, ETL*
- Captured Covid data from ecdc using http copy activities in Azure. Stored data in ADL Gen 2 storage, used data flows to store the data in an Azure SQL database. From the Azure SQL database I built a Power BI dashboard to view the data. While data was in ADL, Databricks was used for transforming the data.

Vacuum Monitoring System (VMS) | *Java, MySQL, weatherAPI, InficonAPI*
- Developed system to monitor metrics such as oxygen, methane, vacuum etc. in the wellfield. Used weatherapi.com to get weather data such as barometric pressure and temperature. Used Inficon Gas Chromatograph API to get machine status and other metrics.

ATLAS | *VB.NET, MySQL*
- developed Purchase Order system under advisement of Accounting, Engineering, Receiving, and Project Management departments. ATLAS is used to create PO's, track inventory, track cost, and labor associated with projects.

Morrow Apex | *HTML, CSS, Javascript, MySQL, Highcharts, AJAX*
- Web portal operations dashboard to display data captured from plants.

Origin | *VB.NET, MySQL, InficonAPI*
- Developed software used by field techs to balance wells. Origin works with serial USB GPS device to pull and set well information. Uses InficonAPI to process gas composition data.

Navi | *Python, flask, Replit, factsAPI*
- Discord bot coded in Python. When user types in !funfact the bot will use an api call to return a fun fact to the user.

AFATDS | *Java, ADA, Python, C++*
- System that provides fully automated support for planning, coordinating, controlling and executing fires and effects such as mortars, field artillery cannons, rockets and missiles, close air support, attack aviation and naval surface fire-support systems.

CERTIFICATIONS

AWS Certified Cloud Practitioner | *(CLF-C01) Validation: 22FJ9KXK81FE19W1* — July 2023
AWS Certified Solutions Architect | *(SSA-03) Validation: LWMGJS2C8JEQ1P54* — August 2023
MIT SLOAN SCHOOL Artificial Intelligence: Implications for Business Strategy — October 2024

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, MySQL, JavaScript, HTML/CSS, R, C#, PHP
Technologies: AWS, Azure, S3, API, Restful web service, EC2, Azure Data Factory, Azure Data Lake, Databricks, Docker, Replit, MySQL, WAMP, AMP, DynamoDB, SQS, SNS, Elastic Beanstalk, Hadoop, HDFS, Distributed systems, Hortonworks Data Platform, Ambari, Apache Spark, Data pipelines, MongoDB, Snowflake, NoSQL
Developer Tools: GitHub, Eclipse, VS Code, Visual Studio, PyCharm, IntelliJ, Jupyter Notebooks, PHPMyAdmin, PowerBI
Libraries: pandas, NumPy, Matplotlib