**Summary:**

* 2+yrs of experience training AI models using Spark, Pytorch and Huggingface Transformers.
* 7+yrs of experience in System Admin, Database management and Software engineering.
* Professional Management certifications- PMP and Professional SCRUM master(PSM).
* Certified for System Admin and DevOps- Certified Kubernetes Admin, AWS Solutions Architect.
* Skilled at learning and adapting to technology- trained AI models, published 5 android and 3 blockchain apps.

**Professional Certifications:**

Project Management Professional (PMP) June 2024

Certified Kubernetes Administrator (CKA) September 2024

Amazon Web Services Certified Solutions Architect – Associate Dec 2021

Google Analytics Individual Qualification (GAIQ) October 2019

Profession Scrum Master (PSM1) November 2019

**Education:**

* **Master’s in Information Management**, Syracuse University school of Information Studies 2018 - 2020
* **Certificate of advanced Studies in Data Analytics**, Syracuse University, GPA: 3.92/4 2018 - 2020
* **Bachelor’s in Computer Science Engineering**, St. Francis Institute of Technology, GPA 3.8 2014 – 2018

**Courses undertaken:** Database Administration, Cloud Management, Big Data Analytics, Business Analytics, Data Science, Information Systems Management.

**Work Experience:**

**DevOps Engineer at Billy Graham Evangelistic Association:** July 2020 - Present

* Managed a company-wide IT project to create a replica data centre for high availability. Coordinated with 5 IT managers and their developers to schedule migration of websites, webservices and database across data centres. This was a 1 year project that resulted in virtually no downtime for deployments that handled nearly 100 million in transactions annually.
* Implemented an ETL pipeline to collect and store email data. This was implemented using a cron job that injests data from an API, stores it on a temporary FTP server and is then organized into S3 buckets or relational database depending on data types. This process ran daily for 3+ yrs collecting 100k+ email records daily.
* Migrated entire catalogue of company websites, data and services to a new private data centre. This included Jenkins servers, BitBucket servers, PostgreSQL and Mongo databases. This required coordinating with all team managers to schedule potential downtime windows.
* Managed site reliability and security of a Magento E-commerce store and made it highly scalable and resilient to downtime. Worked with the product owner of the site to provide work items for weekly sprints. Generated 5+ million in sales revenue during the first year.
* Worked with IT team leads to setup monitoring alerts to notify developers during service interruptions. This reduced performance issues during high loads, from having an issue almost every time to, 1 in 10.
* Coordinated across 5 IT teams to create and enforce coding standards, best-practices and for all their developers. This was all documented in Confluence and Jira was used for triaging incoming tickets. This made onboarding new developers much easier reducing average onboarding time to 2 weeks.
* Orchestrated entire CI/CD pipelines for testing and production workflows using Git, Jenkins and webhooks. This helped reach 100% code coverage and prevented any code going to production from being untested or unchecked for security bugs.

**Data Engineer at Upstate Interactive:** May 2019 - Present

* Implemented an ETL workflow for collecting, modifying and storing credit card data in Data Lake.
* Developed a crash and error analytics system using REST API to capture and send event driven data.
* Built a CI/CD pipelines to aid in DevOps for testing and validation of the API using Gitlab.

**Data Analyst at iConsult:** Jan 2019 - May 2019

* Formulated KPIs based on client requirements and demographic data analysed.
* Developed the front-end interactive UIs for the client to enable them to manage backend data.
* Implemented the backend functionality by integrating Twilio APIs in a .Net MVC framework.

**Projects Undertaken:**

**Artificial Intelligence, Regression models** May 2024 - August 2024

Trained a regression model using Hugging Face’s transformers and Llama weights to make a GPT that acted as and HR chatbot. The model was trained on all company policy documents available to employees and was used in closed testing within the company.

**Artificial Intelligence, Diffusion models** September 2024 - November 2024

Trained a diffusion model based off the weights of Stable Diffusion, to make a LORA. Resulted model was used for real estate marketing pictures to remove furniture from pictures.

**Big Data Analyst, Predictive analytics:** August 2019 - November 2019

Provided a data driven solution for predicting real estate housing prices using AWS SageMaker, Apache Spark and housing data from the years 2012-2018 using various supervised and non-supervised learning models.

**Data Warehousing and Monitoring:** June 2019 - July 2019

Developed an ETL workflow for collecting, transforming and storing credit card data using Node.js onto an AWS S3 data lake while working at Upstate Interactive. Also implemented an error detection and monitoring system using Rollbar to gain insights on failures in the backend APIs.

**Data Analyst, actionable insights on airline data**       January 2019 - February 2019

Used R to visualize and plot different attributes from given airlines dataset to identify KPIs that could lead to better customer satisfaction and better cost savings using regression, clustering and association algorithms.

**Data Analyst, Sentiment Analysis**                     January 2018 - August 2018

Using twitter’s API, performed sentiment analysis on tweets produced during the 2018 Winter Olympics. Feed was collected and stored in a csv file which was imported into R and compared with positive and negative words to predict people’s sentiments from different countries.

**Backend NoSQL Developer:**     August 2018 - September 2018

Created a food restaurant web app built as an SPA using React.js, ES6 and Firebase as the backend with google sign-in and email verification. NoSQL Firebase database was used to store user orders, carts and menu items.

**SQL Database Developer:**                July 2016 - October 2016

Developed a website that provides reviews of gadgets, using HTML, CSS, PHP and MySQL which was hosted using a XAMPP server. Data was normalized(3NF) and stored in MySQL. Views were used to retrieve review data.

**Technical Skills:**

Database Technologies: PostgreSQL, MySQL, MongoDB, DynamoDb, Firebase, Redis, Hive, HBase,

Machine Learning: Apache Spark, Hadoop, Tensorflow, AWS Sagemaker, Elastic MapReduce

Cloud Technologies: AWS, Azure, Docker, Kubernetes, Google Cloud, IBM Cloud

Programming Languages: Python, Javascript, C++, Java, R, Solidity

Software: Tableau, SPSS, Google Analytics, PowerBI, MS Excel advanced, Visual Studio, Git.