KAZI ISLAM

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TECHNICAL SKILLS:

- Methodologies: Agile, Hybrid
- Frameworks: Scrum, Kanban
- Programming Languages/Frameworks: Python, R, XML, JSON, Django
- Database Tools: SQL, Oracle PL-SQL, Microsoft SQL Server, Oracle, PostgreSQL
- Web Technologies: Web service, microservice, API, RESTful
- Big Data Tools: Databricks, Apache Spark, PySpark, DBT
- Cloud Technology: AWS - CloudFormation, Lambda, EC2, SQS, SNS, Redis/Memcache Clusters, Parameter Store, DynamoDB, CloudWatch, S3, CodePipeline, CodeDeploy. Secrets Manager
- Logging Tools: Splunk, Bugsnag

- Documentation Tools: Swagger, Confluence, Sharepoint, MS Office

- Project Management Tools: Jira, Github, Stash/Bitbucket

- Other Tools: Bamboo, Artificatory, Docker, uWSGI, Nginx, Linux, Bash, AWS CLI

WORK EXPERIENCE:

Macquarie Group — New York, New York   Feb 2022 – Present

Macquarie Group is a global financial services company operating in sectors such as banking, financial advisory, asset management, and infrastructure. It has about $870 billion in AUM and over 20,000 employees globally.

Software Engineer

- Developed highly scalable ETL pipelines using AWS Lambda, invoked by SNS and SQS, to process and upsert data to SQL Server.
- Batch processed XML files in S3 and stream processed SQS messages from in-house data platform.
- Designed and developed highly efficient ELT pipelines ingesting from SFTP and APIs and landing data in S3 delta lake.
- Leveraged Spark SQL in dbt to build transformation pipelines.
- Implemented ETL workflows with Airflow.
- Developed PowerBI dashboard to showcase analytics.
- Build data ingestion pipelines for DaaS
- Led team throughout SDLC using Agile Methodologies.
- Collaborated with cross-function teams including data analysts, data scientists, business, stakeholder and devops members.
- Other tasks included developing: Splunk Alerts, internal libraries, AWS services such as SNS, SQS, Lambda, S3, EC2, DynamoDB with CloudFormation.

Keysight Technologies — Santa Rosa, California   June 2021 – Feb 2022

Keysight Technologies is a leading company in the electronic measurement industry, specializing in the design and manufacturing of equipment and software for electronic testing and measurement solutions. It's a Fortune 500 company known for its cutting-edge technology and innovative solutions.

Software Engineer

- Designed and developed a robust Django web application hosted by Nginx and powered by uWSGI.
- Designed and developed web APIs in Django. Transpiled APIs from .NET to Python
- Developed majority of Django API logic in PL/SQL to increase performance.
- Improved web application performance by introducing Redis caching and following caching best practices.
- Implemented CI/CD pipeline using AWS CodePipeline and CodeDeploy. Automated the deployment of code changes to multiple environments, reducing the time to production for new releases.

Emonics — Piscataway, New Jersey   August 2020 – June 2021

Emonics is a global technology firm and a IT and Engineering solutions provider catering to a diverse client base.

Python Developer

- Oracle PL/SQL database development including packages, stored procedures, functions, aggregates, pivots, partitions.
- Optimized queries by enhancing data modeling and database design for storage and efficiency by mimicking database objects with real-world entities and implementing indexing.
- Created formal Django API design and reduced number of API endpoints by 50% thus reducing application maintenance.
- Implemented comprehensive API documentation with Swagger

EDUCATION:

The City University of New York - Hunter College, Bachelor of Arts in Statistics and Human Biology   June 2020

CERTIFICATIONS:

AWS Solutions Architect Associate

AWS Developer Associate