# SAMUEL MARKS

*Software/Data Engineer*

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## WORK EXPERIENCE

### Software/Data Engineer
*General Motors, Austin, TX*
Jun 2021 - Present

- Build and maintain web applications that govern the exchange of PI and PII data between source (client) systems and mastering CRM systems
- Develop RESTful APIs using Spring Framework
- Integrate APIs with SQL database (Azure SQL, Oracle, PostgreSQL)
- Create YAML CI/CD pipelines to build and containerize applications with Maven and Docker and deploy applications to cloud (Microsoft AKS) and on-premise (K8s, PCF) environments
- Create and deploy scheduled ETL pipelines and workflows for the ingest and egress of PI and PII data
- Create unit and integration tests using JUnit testing framework

### ETL Engineer Intern
*Shamrock Technologies, Newark, NJ*
Jun 2020 - Dec 2020

- Developed ETL solutions using SQL Server Integration Services (SSIS)
- Automated ETL package execution with SQL Agent Jobs in SQL Server Management Studio (SSMS)
- Improved efficiency of data integration, quality of data, and effectiveness of BI reporting
- Developed new data collection methods in order to derive insights desired from upper management

## EDUCATION

### Rensselaer Polytechnic Institute, Troy, NY
B.S, Computer Science, Business and Management
Aug 2017 - May 2021

**GPA**: 3.84          **Minor**: Communication

- RPI Medal Award Recipient, $25,000 Annual Merit Scholarship
- Peter Seaman '73 Memorial Scholarship Recipient
- Internal Vice President (2020), Treasurer (2019), Pi Kappa Alpha
- Director of Events (2019), Lally Management Student Association (LMSA)

## SKILLS

**Languages**
Java, Python, SQL, YAML, TypeScript, HTML, CSS/SCSS, Bash/Zsh, PowerShell

**Cloud Platforms**
Microsoft Azure, Databricks

**Source Code Management**
Azure DevOps, Github

**Frameworks**
Spring Framework, Spring Boot, PySpark, Next.js

**Tools**
Git, Azure CLI, Databricks CLI, Maven, Docker, Github Actions

**Container Orchestrators**
Cloud Foundry (CF), Azure Kubernetes Service (AKS), Kubernetes (K8s)

**Methodologies**
Agile, SAFe Agile, DevOps, CI/CD, REST, ETL, IaC, TDD

**IDEs**
Intellij IDEA, Visual Studio (VS) Code

## CERTIFICATIONS

**Azure Fundamentals**
Issued: June 2022
Issuer: Microsoft
Credential ID: I804-6218