

Experience

Software Engineer, Team Lead

Infor

Jun 2021 – Present

- Design, implement and document reference architectures using the InforOS technology stack.
- Lead the delivery and integration of ML applications from the Augmented Intelligence suite to clients' systems and third party partners.
- Put in place metrics and processes for validating the quality of the inbound and outbound data.
- Contribute to the development road map of InforOS products like Data Lake, Data Fabric, Coleman, etc. by suggesting features and bug reports to speed up the cycles of development.
- Collaborate with multiple stakeholders like data scientists, business analysts and product owners to quickly solve technical issues and ensure good communication with the clients.
- Write and review technical documentation, data interfaces specifications, extension guides, onboarding documents, etc.

Associate Software Engineer

Infor

July 2018 – May 2021

- Maintained a platform for running Spark applications on managed cloud services. Keywords: Scala, SBT, Spark, Delta Lake, Docker, AWS, ScalaTest, ScalaCheck, spark-testing-base.
- Developed Spark applications to make the bootstrapping of Infor products faster and repeatable. The applications cover data transformation, schema and constraints validation, outlier detection and ML. The time-to-delivery dropped from 15-20 business days to 2-4, and the forecast tuning from 5-10 business days to several hours.
- Designed data models and hierarchical structures for the Infor Demand Management suite for several clients and Proof of Concept projects.
- Developed, scheduled and monitored data pipelines using Airflow on AWS MWAA.

Data Science Intern

Infor

Feb 2018 – June 2018

- Built a web scraper to collect data from a retailer's website. Keywords: Python, Scrapy framework.
- Retrained Inception-v3 on the collected dataset to generate a multi-label predictive model.
- Built a web-based recommendation system that allows users to upload an image and get the most similar ones stored in a NoSQL database using the multi-label model. Keywords: Python, Angular, Flask, MongoDB.

Education

National Engineering School of Tunis (ENIT)

2015-2018

- National Engineering Degree in Computer Science (**Top 1% of the cohort**).

Preparatory Institute for Engineering Studies - El-Manar (IPEIEM)

2013-2015

- Succeeded at the National Exam for entering Engineering Schools (**Top 14% nationwide**).

Skills

- Programming Languages: Scala, Bash, Python, Java.
- Frameworks: Play Framework, Flask.
- Database Management Systems: MySQL, PostgreSQL, SQLite, MongoDB.
- Big Data Technologies: Spark, Delta Lake, Deequ, Hive, Hadoop.
- Cloud Services: Amazon Web Services, Google Cloud Provider.
- Version Control Systems: Git, Mercurial.

Courses & Certifications

- **Udacity** Data Engineering Nanodegree Program (Ongoing)
- **Udacity** Intel Edge AI Scholarship Program
- **Coursera Specialization - Google Cloud** Data Engineering with GCP (Ongoing)