GUSTAVO PUMA

AI Developer

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PROFILE

I'm an enthusiastic Machine Learning Specialist motivated by the way innovative technology can positively impact people's life with a bachelor's degree in Computer Science and one Attestation of collegial studies in Artificial Intelligence.

TECHNICAL SKILLS

- Langages: Python, R, Java, Scala
- ETL using Microsoft Azure: Data Factory, Stream Analytics.
- ML: Linear Regression, Logistic Regression, Decision Trees, Naïve Bayes, Random Forest, Gradient Boosting, K-nearest neighbors, Support Vector Machine (SVM), Stochastic Gradient Descent (SGD), K-Means, Natural Language processing (NLP), PCA, association rules, recommendation systems, chatbots, Deep Learning, reinforcement learning.
- Amazon SageMaker and step functions (DataOps).
- Microservice Architecture
- Docker, Kubernetes
- Data Visualization/Exploration: Tableau, Seaborn, Matplotlib.
- Preprocessing and Feature Engineering in Jupyter Notebooks: scikit-learn, Pandas, NumPy, SciPy.
- Hadoop knowledge: MapReduce, Pig, Hive, Flume, Zookeeper, Kafka.
- Relational and NoSQL Databases.

EXPERIENCE

Desjardins Technology Group

Big Data Developer

August 2020 – Current   📍 **Montréal/Canada**

- Analyze and interpret the business requirements to implement advanced analytics solutions.
- Develop automated pipelines for loading and transforming data from a wide variety of data sources in the cloud.
- Develop APIs for data analytics.
- Create smoke test, unit test and performance tests for data ingestion.
- Design the necessary documentation for solutions support.
- Create deployment pipelines with Azure DevOps

Technical Environment

Azure Data factory, Azure Synapse Analytics, Cosmos DB, Azure SQL, Azure Data Lake Gen 2, Azure Stream Analytics, EventHub, Azure Logic App, Azure Functions App, Denodo, Azure DevOps, Docker, Kubernetes, Python, SQL, Java 8, Pivotal Cloud Foundry, Concourse.

Conova

Machine Learning Developer

February 2020 – August 2020   📍 **Montréal/Canada**

- Dataset generation for graphs ML models.
- Automate deployment of machine learning models on cloud environments.
- Models for classification, similarity, and link predictions on using Knowledge graph embeddings.

Technical Environment

Python, Amazon Neptune, Jupyter Notebook, Amazon EC2, S3 Storage, Step Functions, cloud watch, lambda functions, SageMaker, Docker, pandas, NumPy, PyTorch, TensorFlow, Deep Graph Library, Ampligraph, PyTorch Bigraph, matplotlib. Library for classification XGBoost, scikit-learn.

Triton Digital

Java/Scala Developer

September 2017 – May 2019   📍 **Montréal/Canada**

- Create data pipelines in batch and real time using apache Kafka and Spark.
- Create automated tests.
- Create deployment pipelines using Jenkins/bamboo to deploy in Marathon/Mesos.
- Create Sparks jobs in Java/Scala to read from HDFS and ingest in apache druid.
- Code refactoring.
- Deployment in test and production.
- Bug Fix.

Technical Environment:

Java 8, Scala, Kotlin, Apache Kafka, Akka, Apache Spark, druid, git, Datadog, Looker(report/insights), Sentry, IntelliJ IDEA, docker, Jenkins, Bamboo, Jira, confluence, MySQL, dojo, Gradle, sbt, Apache Maven, spring Core, Spring MVC, Spring Security, cucumber, Junit, jetty web server.

English

French

Portuguese

- SAFE Scrum Master- SSM
- Java Programmer Certification

EXPERIENCE

Hydro-Quebec (CGI mandate)

Java Developer

January 217 – September 2019   Montréal/Canada

- Convert java applications in WebSphere to OpenShift.
- Create unit tests.
- Bug fix.
- Code Review.

Technical Environment:

Java 8, Docker, OpenShift, Kubernetes, Eclipse, Framework Spring MVC 4, jQuery, GIT, Junit, Maven, WebSphere, Jboss 8, Tomcat 8, struts.

Desjardins Technologie Group (CGI mandate)

Java Developer

January 2016 – December 2016   Montréal/Canada

- Design Rest APIs.
- Consume legacy services using SOAP.
- Electronic Signature Front End using: JSP, JavaScript, Ajax, CSS, HTML.
- Unit Tests.

Technical Environment:

Eclipse, Portal Liferay 6.2, Java 7, Framework Spring MVC 4, jQuery, Jira, Bitbucket, Junit, Maven, Services Web SOAP / Rest, AspectJ, Angular 2.

EDUCATION

Bois-de-Boulogne Collège

Attestation of collegial studies in Artificial Intelligence

May 2019 – January 2020   Montréal, Canada

Catholic University of Pernambuco

Bachelor's Degree in Computer Science

January 1999 – June 2004   Brazil

PROJECTS AND REALIZATIONS

Project Fintech – Churn Prediction/Analysis

- Given a new client prediction and analyses the possibility of this client churn.
- Data analysis.
- Data preprocessing and feature engineering.
- Define metrics and test different hyperparameters and algorithms to choose the best model.
- REST API for support requests from the Dashboard.
- Frontend Dashboard for analysis.
- Dynamic Model update and continuous delivery.
- Tools used: scikit-learn, TensorFlow, Keras, MLlib, PySpark, matplotlib, seaborn, Flask, MariaDB.