

## Bogdan Plaiasu

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Application Developer, Data Engineer in a wide variety of business applications. In my personal time I learned front-end technologies and I was able to build some successfully end-to-end applications.

## Skills & Qualifications

- over 12 years experience with databases
- 6+ years experience with front & backend development

## Tech Stack

- Languages: PHP, Python, Javascript, SQL
- Backend Frameworks: Django, Laravel
- Databases: MSSQL Server, MySQL, Exasol, Snowflake
- Other: Azure Data Factory (ADF), AWS S3, PySpark, Hive, Airflow

## Work History

### SENIOR BIG DATA ENGINEER | COGNIZANT SOFTVISION

02/2021 – Present

Develop an architecture for collecting multiple formats of data from different servers into one single database (an ETL)

- create Azure Data Factory pipelines
- set up Apache Airflow workflows
- read data from AWS S3 buckets

*Technologies used:* Spark (PySpark), Hive, AWS S3, Snowflake, Python, Airflow

### APPLICATION DEVELOPER | AERA TECHNOLOGY

07/2019 – 02/2021

Develop an architecture for collecting multiple formats of data from different servers into one single database (an ETL)

- Set up connectors and extractions
- Work with last minute technologies like columnar databases (Exasol) and in-house ETL solution

- Create ETL's process that extract data from different ERP like SAP, Oracle, Teradata or Excel/CSV files
- Debug, improve or optimise SQL scripts ensuring that all the data is ready in minimum time; query optimisation, database performance issues
- Periodical meetings with the client in order to understand the requirements
- Develop some scripts in Python & MySQL (store procedures) that are used for automation of the duplication process

*Technologies used:* Python, Exasol, MySQL

## **SENIOR DATA ENGINEER | SMART-X NET APPS**

07/2017 – 06/2019

As a Data Engineer my role was to design and develop an architecture for data warehouse.

- Implement a fraud detection algorithm based on existing data
- Develop an architecture for data warehouse
- Created dashboards for monitoring applications (SiSense or web based)
- Working with Agile Scrum

*Technologies used:* SQL, Python, PHP, SiSense, Docker, PostgreSQL (just 3 months)

*Learning about:* Apache Spark, Hadoop, BigData, PrestoDB

## **TEAM LEADER | EMAG**

05/2016 – 07/2017

I led the eMon team trying to improve the process of bringing data (ETL) from different databases (MySQL) and at the same time managing to make this process almost "live", under 30 sec of production. This process was based on stored procedures not SSIS because we considered it to be a much easier way to use and implement.

## **SENIOR PROGRAMMER | EMAG**

04/2015 – 05/2016

The primary purpose of the project (eMON) was to ensure that all errors signalled in the eMag general working flux has minimal financial impact as well as minimal impact on workflow, eliminating stoppers and also ensuring that customer satisfaction is at its highest level. The project was designed for all eMag applications, and it will be a useful tool for team-leads as well as individual department members. The application through its own notification system will ensure fast delivery of error detection to all involved parties, most importantly to specialists who will be able to handle the occurred situation in a timely manner.

- Lead a team of three people
- Developed together with the team successful modules that were highly adopted by internal teams

- Improve the process of bringing data (ETL) from different databases (MySQL) and at the same time managing to make this process almost "live", under 30 sec
- Create and maintain deployments scripts
- Analysis, design and develop new features

*Technologies used:* MSSQL Server, PHP

### **SENIOR PROGRAMMER | HIGH-TECH SYSTEM & SOFTWARE**

06/2012 – 04/2015

Improvements in code for both front & backend parts made to a customer for the retail software

*Technologies used:* MSSQL Server, PHP, HTML, CSS3, jQuery, Javascript

### **SENIOR PROGRAMMER | SENSIBLU**

03/2011 – 05/2012

Participating at the development of a new retail software for pharmacies based on web interface (front & backend development).

*Technologies used:* MSSQL Server, PHP, HTML, CSS3, jQuery, Javascript

*Learning about:* web development

### **APPLICATION MANAGER | RELAD**

06/2009 – 12/2010

My role was to monitor software application's performance and alert administrators if there was a problem. In parallel I've done development for the CharismaERP application, create reports in both Crystal Reports and web.

*Technologies used:* Charisma HR and ERP, MSSQL Server, PHP

*Learning about:* Docuware – an application for documents management

### **SQL PROGRAMMER | HELPNET FARMA**

04/2008 – 06/2009

Finalising the implementation of the CharismaHR application. I continued to develop some modules and create different reports. Also I create few dashboards in web development (PHP)

*Technologies used:* Charisma HR, MSSQL Server, PHP

*Learning about:* know-how in language programming like PHP, Oracle

## **SQL PROGRAMMER | TBI CREDIT IFN**

11/2007 – 04/2008

Improvements and developments in both CharismaHR & CharismaERP applications.  
Reports creation made in Reporting Services & Crystal Reports

*Technologies used:* Charisma HR and ERP, MSSQL Server, PHP

## **SQL PROGRAMMER | TOTALSOFT**

11/2006 – 11/2007

As a junior SQL developer my main tasks were to acquire as much knowledge as I could in a short period of time and to learn about SQL - especially MSSQL Server from Microsoft. Also I learned about a software program called CharismaHR - a tool which provides personnel data management in both terms of organisational structure and employee information.

- Comprehensive database management
- knowing CharismaHR and Crystal Reports

*Technologies used:* Charisma HR, Crystal Reports