

Flávio Clésio

Core Machine Learning | Deep Learning

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Summary

Working with Information Technology, I have acquired experience in some companies at different businesses. Most of these roles were performed in parallel or throughout my overall experience.

Currently working as Head and Machine Learning Engineer in a chapter of Core Machine learning, embedded algorithms at telecommunication business platforms for mobile products.

Using AWS/SQL/NoSQL Databases, dealing with 250 million (and growing up) requests per day

8+ years of overall IT experience, working at several companies with different businesses

5+ years as a Machine Learning professional

5+ years of troubleshooting skills in several databases platforms, from new to legacy systems, as an issues solver

3+ years performing Technical Interviews, nearly 100 candidates for different roles (Business Intelligence Analysts, Machine Learning Engineers, Data Scientists, Software Developers, Interns, Lead Developers in Databases)

3+ years playing Technical Coordination specialized in data landscape (e.g. Reports, ETL, Visualization, Intelligence)

1+ years as support consultant in remote systems deployer and doing face-to-face meetings with customers and business partners

Experience

Machine Learning Tech Lead at Movable

janeiro de 2016 - Present

Along with the software platforms team I take care of several machine learning implementations, in order to bring intelligence to the running platforms for automated decision making .

Tech Stack:

- Python, R
- AWS cloud infrastructure
- Spark MLlib, Scikit-Learn, Vowpal Wabbit, H2O.ai, Spark MLlib, Amazon Machine Learning, Azure ML Studio, Weka
- Redis
- Tensor Flow, Theano, Keras, Distributed Keras

- Amazon Redshift
- Github

ML applied techniques:

- Clustering, Self-Organizing Maps, Survival Analysis, Decision Trees, Logistic and Linear regressions, Sentiment Analysis, MARS

Accomplishments:

- Launched the first machine learning project responsible for monitoring all the revenue stream. Project made with Spark ML Lib and presented in Strata Hadoop World in Singapore
- Played a key role in an early-stage Machine Learning Team
- Team leader of Machine Learning experimentation at Movel products
- Churn Analysis and Churn Scoring using a combined approach of XGBoost, Survival Analysis and Random Survival Forests
- Saved more than US\$ 3M in losses, by using Machine Learning applications for system monitoring

Associate Professor at Kroton

fevereiro de 2017 - Present

Post Graduation Professor at Universidade Presbiteriana Mackenzie

fevereiro de 2017 - Present

Revenue Assurance Tech Lead at Movel

novembro de 2015 - outubro de 2016 (1 ano)

Tech Stack:

- Amazon Redshift, SQL Server, PostgreSQL
- R and Python for Data Analysis
- Tableau
- Github

Methods Used:

- Clustering, Survival Analysis, Time Series Analysis (e.g. ARIMA, GARCH, Facebook Prophet)

Accomplishments:

- Improved revenue performance using statistical methods such as survival analysis to prevent churn
- Created new experimentation approaches focused on providing and optimizing billing strategies using user's behaviour
- Designed and conduct hypothesis testing for evaluation of customer facing, applying machine learning and statistical models

- Developed several alarms to prevent disasters, through time series analysis
- Conducted multiple A/B tests and data analysis results, using statistical inference
- Designed several Impact Analysis, in order to address risk management
- Played a major role in restructuring all Revenue Assurance department at Movicel
- Created billing strategies using analytics methods and KPIs

Data Intelligence Tech Lead at Movicel

janeiro de 2015 - novembro de 2015 (11 meses)

Tech Stack:

- SQL Server Integration Services, Data Integration Kettle
- Sisense, SQL Server Reporting Services, Pentaho, SQL Server Analysis Services, Google Analytics
- Tableau
- R and Python for Data Analysis
- Github

Accomplishments

- Lead a team of 10+ reporting and analysis professionals;
- Managed large streams of data, across different formats and entry points;
- Closed and strong contribution with heads of strategy and execution along with an expanded contribution with Business Teams;
- Provide insights to support marketing initiatives (subscription acquisition & retention, and cross-selling initiatives, ROI, etc.);
- Use business intelligence tools to provide analytic and advisory consulting, based on customer insights;
- Support on structuring (BI) database and define new KPIs, in order to measure assets performance;
- Support on setting up the Data Science team and position it within the organization.

Graduate Research Assistant at Uninove

janeiro de 2013 - fevereiro de 2015 (2 anos 2 meses)

Business Intelligence Engineer at RCB INVESTIMENTOS

novembro de 2011 - dezembro de 2014 (3 anos 2 meses)

Tech Stack:

- SQL Server Integration Services
- SQL Server Reporting Services, Microstrategy 9.0+
- R for Data Analysis

Accomplishments:

- ETL Development in SQL Server 2005/8 Integration Services Platform
- Data Requests over DW/OLAP and OLTP Databases
- Development in SQL Server 2005/8 Analysis Services Platform

- Performing troubleshooting and providing resolutions to ETL issues
- Help structuring (BI) database and define new KPIs, in order to measure assets performance

Adjunct Instructor at Cetax Consultoria e Treinamento

agosto de 2013 - novembro de 2014 (1 ano 4 meses)

Data Mining and Data Warehousing instructor.

Support Consultant at Ramo Sistemas Digitais

janeiro de 2011 - outubro de 2011 (10 meses)

Tech Stack:

- SQL Server
- SAP Business One 2007a / 2007b / 8.8 / 8.8.1
- Crystal Reports

Accomplishments:

- Operation and implementation of cashiers in retail store specialized in perfumes, electronics and clothing in Orlando FL, USA
- Certified Support Consultant in SAP Business One 8.8.1+
- Performs first level testing applications help of SAP Business One (AddOns) for operation and implementation
- Implementation and operation of additional business applications from SAP Business One (AddOns)

Human Resources Analyst at Brazilian Army (Exército Brasileiro)

março de 2004 - janeiro de 2011 (6 anos 11 meses)

Accomplishments:

- Held executive positions / military division manages for more than 5 years, responsible for assembling reports, organization of human resources and compliance of internal processes
- Development of standard operating procedure for human resources departments together with the Ministry of Defense - Brazilian Army.
- Structuring of laws, ordinances and laws in creating several standard operation procedures
- Driving and structuring training calendar, education, qualifications and training of military personnel

Education

Universidade Estadual de Campinas

Extension, Valuation, 2016 - 2016

Uninove - Universidade Nove de Julho

Master of Engineering (MEng), Computational and Applied Mathematics, 2013 - 2015

Universidade Estadual de Campinas / UNICAMP

Specialization, Engineering and Systems Management Database, 2012 - 2013

Faculdade de Tecnologia de São Paulo

Associate Degree, Information Security, 2012 - 2012

Faculdades Integradas Rio Branco

Bachelor, Information Systems, 2007 - 2011

Activities and Societies: Data Mining, Business Intelligence, Business Analysis, Development in T-SQL and Java

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[Contact Flávio on LinkedIn](#)