Marcus Ferreira

Resumé

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Work Experience

2019–2020 **Full Stack Developer**, *INTELIVIX - Legal Artificial Intelligence*, Recife - Brazil.
Full Stack development (Django + Bootstrap);
Continuous Integration using Travis CI;
Version Bump on legacy dependencies (Python 2.7 - > 3.6, Django 1.8 -> 2.2)
○ *Python, Django, AWS ECS, TDD, Travis CI, UML, CPA, Requirement engineering*

2018–2019 **Scraping Architecture Engineer**, *INTELIVIX - Legal Artificial Intelligence*, Recife - Brazil.
Development and maintenance of a web application used to orquestrate web crawlers on a AWS environment following a Kanban workflow;
Microservices communication;
○ *Python, Django, Scrapy, AWS, Ansible, Celery, Kafka, Docker, Pytest, Pair Programming*

2017–2018 **Web Scraping Intern**, *INTELIVIX - Legal Artificial Intelligence*, Recife - Brazil.
Intern on a team with 8 crawl engineers;
Implemented, maintained and improved web crawlers (100+) on a production environment;
Rebuilt complex Selenium crawlers in Scrapy, highly improving efficiency;
Designing a workflow with volatile subteams to speed up development and optimize sprints;
SCRUM Framework;
○ *Python, Scrapy, Selenium, MongoDB, JIRA, SCRUM, Kanban, Docker, Pair Programming*

2014–2015 **Research Analyst**, *LINC - Laboratório de Inteligência Computacional*, Garanhuns - Brazil.
Implementation of meta-heuristics to solve combinatorial optimization problems.
○ *C++, mathematic modeling, IBM CPLEX*

International Experience

2016 **Forensic Research Analyst**, *Pace University - Seidenberg School of Computer Science and Information Systems*, New York City.
Mapping infrastructural vulnerabilities using public data.
○ *Python, Scrapy, Social Engineering*

2015–2016 **Exchange Student**, *Science Without Borders - Computer Science - Pace University*, New York City.

Contributions

2018 **Speaker**, *Python Brasil - Predicting League of Legends matches with Python*, (YouTube), (Github).
○ *Python, Celery, Scrapy, Docker, MongoDB, OpenCV, Machine Learning*

2018 **Writer**, *How I created a League of Legends High-Elo database using scrapy* , (Medium).
○ *Python, Scrapy, MongoDB*

Education

2013–present **Undergraduate student**, *BSC in Computer Science - Universidade Federal Rural de Pernambuco*, Recife - Brazil.

2013–2015 **Teacher assistant**, *Universidade Federal Rural de Pernambuco*, Garanhuns - Brazil.
Writing programming lessons and exercises (Java and Python)

Languages

Portuguese Native
English Fluent
Spanish Intermediate
Russian Basic