Nikolas B Virionis

Python Developer and Data Engineer

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Residence	São Paulo, SP, Brazil
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Up-to-date version of CV is available at
https://nikolas-virionis.github.io/resume
Brazilian Portuguese Version at https://nikolas-virionis.github.io/curriculo-ptbr/

I am currently working as a Python/AWS Data Engineering Intern and hold three official AWS certifications. I am highly committed and dedicated to continuously enhancing my knowledge to make valuable contributions to projects and the people I work with. I strongly believe in the power of a collaborative environment, which not only benefits everyone involved but also brings great pleasure and mutual respect in helping and teaching eager-to-learn peers.

Python	Teamwork	PySpark	English	AWS	SQL
Docker	Pandas	Infrastructure as Code - IaC	AWS CDK (IaC)	Serverless Framework (IaC)	AWS Cloudformation (IaC)

Professional Experience

Jan/2022 ~ Present

Data Engineering Intern at yHub

As a Data Engineering Intern at yHub, I gained invaluable hands-on experience in building cost-effective data pipelines using mostly serverless AWS Services. Collaborating closely with the team, I actively contributed to end-to-end development, problem-solving, and maintenance of the projects. Leveraging my skills in Python, Pandas, and PySpark, I implemented best practices to ensure efficient and scalable data processes. I proactively sought opportunities for improvement and successfully achieved three AWS Certifications in a few months of my professional career, allowing me to actively participate in solution discussions and make humble contributions to the team's success. Through my involvement in critical projects, I supported data-driven decision-making and enhanced my technical expertise while fostering effective collaboration within cross-functional teams.

Python | PySpark | AWS | SQL | Infrastructure as Code | AWS CDK | Teamwork | Docker | Serverless Framework

Education

Jan/2021 ~ Dec/2024

Bachelor of Computer Science at São Paulo Tech School

Bachelor's degree in Computer Science with a strong emphasis on practical, real-world technologies and problem-solving skills. Gained valuable soft skills through dedicated "socio-emotional development" classes and acquired significant experience from engaging in extensive hands-on projects focused on real-world applications.

Python | PySpark | AWS | SQL | Javascript | Java | Microsoft Azure | Data Structures and Algorithms | Docker | AWS Cloudformation

Jan/2018 ~ Dec/2020

High School at Colégio Dante Alighieri

I graduated as one of the top students in my class from one of São Paulo's most prestigious schools. During my academic journey, I had the valuable opportunity to kickstart my tech career by actively participating in elective classes focused on Python programming and problem-solving.

Python | Problem Solving

Certifications

Apr/2022
AWS Certified Cloud Practitioner

Aug/2022
AWS Certified Developer Associate

Nov/2022
AWS Certified Solutions Architect Associate

Courses

Jan/2022
Taming Big Data with Apache Spark and Python, on Udemy

Python PySpark

Jan/2022
Machine Learning, Data Science and Deep Learning with Python, on Udemy

Python PySpark Machine Learning Pandas

Jan/2022
Cloud Computing 101, on AWS Educate

AWS

Jan/2023
Scala and Spark for Big Data and Machine Learning, on Udemy

Scala Spark

Additional Experience

NPM published package

The linear-regression-model package provides a simpler way to get the linear regression and correlation between two variables in Node.

Machine Learning Javascript

PyPI published package #1

The polynomial-regression-model package aims to deduce the best regression model from the data provided by the user, analyze it, and return the model fit for predictions.

Python Machine Learning

PyPI published package #2

The spotify-recommender-api package serves the purpose of providing both recommendations for the user and a way to automatically "cluster" songs within a big playlist based on genres, popularity, and song features.

Python Machine Learning Data Analysis Working with external APIs

College project #1 - Safelog

(aug/2021 - dec/2021) A Freshman year group project in college that collects machine health data and sets up alarms and dashboards based on that information.

Node Java AWS EC2

College project #2 - Homebox

(jan/2022 - dec/2022) A group project in college that provides a peer-to-peer business model platform (uber-like) for home services such as plumbing or painting.

React Java Spring Boot AWS