Samuel Apolinário Arão

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About Me

Creative, proactive, adaptable, charismatic, and inclusive professional with experience in software development, artificial intelligence, data engineering, and game design.

Skills

- Programming & Development:
    - PHP (Intermediate)
    - Python (Advanced)
    - JavaScript (Intermediate)
    - TensorFlow (Intermediate)
    - Git (Advanced)
    - Elasticsearch (Intermediate)
    - Linux (Intermediate)
    - PostgreSQL, SQL (Advanced)
    - Hadoop Environment (Intermediate)
    - Spark, PySpark (Intermediate)
    - Web Scraping (Advanced)

- Other Skills:
    - Object-Oriented Programming
    - Complex system programming
    - Web development and frameworks
    - Team management using Agile Scrum

- Languages:
    - Portuguese (Native)
    - English (Intermediate)

Social Media & Contacts

Linkedin:
linkedin.com/in/samuel-arao

GitHub:
https://github.com/samueldk12

Gmail:
samuel.arao@gmail.com

Outlook:
samuel.arao@outlook.com

Education

Bachelor's Degree in Pedagogy (Interrupted)
UFMG | 6th Semester | August 2017 - 2021

- Research on school management
- Translating complex knowledge
- School funding and policies

Technologist in Digital Games (Completed)
PUC - MG | 6th Semester | January 2017 - 2020

- Architecture planning for expandable games with Coop multiplayer and implementation in Unity
- Project management using Agile methodology (Scrum)
- Game design planning for Party Games

Artificial Intelligence Postgraduate Degree (Completed)
PUC - MG | April 2021 - 2022

- Artificial Intelligence and Machine Learning Algorithms
- Statistics for Data Science
- Data Visualization
- Data Ingestion Process

Projetos

Brawl Party (Final Graduation Project – 2019 – 2022)

- Designed and developed Party Games with Coop multiplayer in Unity
- Managed game development projects using Scrum
- Implemented scalable game architectures

Projeto Barreirinho (Volunteer Project)
Co-Founder 2019-2021

- Educational initiative for 5th-grade students in public schools
- Covers science, politics, technology, and culture

Certifications & Courses

Full-Stack Development (Go Stack 2020) – RocketSeat (156 hours - 2020)

- Backend development with Node.js
- Frontend development with React.js
- Mobile development with React Native

Statistical Analysis for Data Science – Data Science Academy (220 hours - 2022)

- Mathematics for Machine Learning
- Statistical Analysis I & II (R and SAS)

Python and Object-Oriented Programming – Alura (90 hours - 2022)

- TDD with Python
- Data Structures
- Object-Oriented Programming

Docker and Container Orchestration – Alura (49 hours - 2022)

- Containers
- Kubernetes
- Docker Swarm

Cybersecurity & Bug Bounty – Pato Academy (37 hours - 2024)

- HTTP communication fundamentals
- OWASP Top 10 vulnerabilities
- Writing security reports

Software Engineering & Scalable Architectures – Full Cycle (230 hours - Ongoing)

- Large-scale web application development
- Best practices in software engineering
- Scalable architecture planning

Professional Experience

Web Development Intern - Remopt (2019 - 2020)

- Developed web applications on Linux servers using Bootstrap, PHP, MySQL, and JavaScript
- Created internal applications in .NET and C#
- Worked with Agile methodologies and complex engineering applications

Junior Data Scientist - 4mti (2020 - 2021)

- Contributed to Gaspar Project (internal web crawler) for data capture and MDM architecture
- Worked on Aduna and Lins Projects with MPMG, managing the full ETL pipeline
- Implemented crawlers in PHP, Python, and Node.js
- Managed data warehouse in Apache Hive
- Worked with Apache Druid, MongoDB, Spark, Kafka, and Zeppelin

Systems Analyst - TO-Brasil
Systems Analyst - TO-Brasil (Pleno - 2021 - Present)

- Participated in MPMG's ETL process using Airflow and Apache NiFi
- Implemented web crawlers using PHP, Python, and Node.js
- Worked with PostgreSQL, Apache Hive (Data Warehouse), ElasticSearch, and Apache Druid
- Developed APIs with Django and FastAPI
- Experience in Hadoop environment