Victor Santos Galvão Baptista

victorsgb@gmail.com   https://www.linkedin.com/in/victorsgb   https://www.github.com/victorsgb   João Pessoa, Brazil

SOFTWARE DEVELOPMENT SUMMARY

- Experienced FullStack developer, with strong data analysis, communication skills and a collaborative mindset.

SKILLS

- Speaks Portuguese (native) and English (proficient**:** EF SET - C2 Proficient; IELTS Overall: 7.0)
- Main Programming Languages**:** Python, TypeScript, JavaScript, SQL
- Frameworks: React.js, Next.js, Node.js, React Native
- Software**:** Excel, Git, GitHub, VSCode, Beekeeper Studio, Insomnia, Miro, Kanbanflow, Inkscape

EMPLOYMENT & EXPERIENCE

Freelancer (Game Developer) *December 2020 - Present*

- Leading the development multiplayer infrastructure simulation using GDScript.
- Constructed an algorithm for 2D procedural generation of pixel-art cities with Perlin noise and contour calculations.
- Contributed to game design by proposing new mechanics for enhanced player experience.

Fresh Water Program in the State of Paraíba, Brazil (FullStack Developer) *Jul/22 - Jan/23 and Oct/23 - Dec/23*

- Revived and developed the Fresh Water Program website, implementing a single-page application architecture.
- Created web and mobile applications using React.js and React Native, backed by Node.js (TypeScript).
- Integrated a chlorine dosing calculator into both clients, facilitating program team tasks.
- Innovated by automating document generation specific to the State of Paraíba using Python.
- Created promotional material for the program, including banners and agenda

SMART-Control consortium (Researcher) *June 2018 - March 2020*

- I actively contributed to risk analysis in various stages of a managed aquifer recharge pilot site.
- Organized field studies on controlled aquifer recharge in Recife and João Pessoa, facilitating master's research by students from Technical University of Berlin and Federal University of Paraíba.
- Published findings in the Journal of Environmental Management (https://doi.org/10.1016/j.jenvman.2023.118034)

IBI Engenharia Consultiva S/S (Civil Engineer) *May 2019 - January 2020*

- Updated the inventory of strategic reservoirs for the State of Paraíba, automating Excel spreadsheets using VBA.
- Created and executed water balance routines for each strategic dam to update their regularization curves in the State Water Resources Plan (http://www.aesa.pb.gov.br/aesa-website/documentos/plano-estadual/atualizacao-perh/)

Freelancer (Excel Workshop Instructor) *May 2017 - June 2019*

- Delivered intermediate Excel courses to students of environmental engineering and the general public.

EDUCATIONAL BACKGROUND & QUALIFICATIONS

Rocketseat Explorer Program (Fullstack Web Developer) *March 2022 - March 2023*

- Completed a 100-hour training program covering web fundamentals and advanced topics with React.js and Node.js.
- Developed a RESTful API with clear separation of backend and frontend.

Intro to Computer Science (Harvard CS50 course in Brazil) *May 2022*

- Completed an extension course covering basic programming concepts, C language, Arrays, Algorithms, Memory, Data Structures, Python, SQL, HTML, CSS, JavaScript, Flask, and Ethics.

Intro to Artificial Intelligence (CEAR/UFPB and Huwaei) *June 2021*

- Completed an extension 40-hour course covering basic artificial intelligence concepts.

Federal University of Paraíba (Master's Degree in Civil and Environmental Engineering) *April 2018 - September 2020*

- Conducted scientific research involving fieldwork and computer simulations at the intersection of sustainable urban drainage and managed aquifer recharge.
- Led various field tests and utilized Python for data processing and hydraulic simulation.

Federal University of Paraíba (Civil Engineer) *August 2010 - December 2016*

- Conducted scientific research integrating urban drainage and structural design.

English Course at CCAA *February 2003 - July 2008*

- Attained proficiency in English language skills through a 4.5-year course.