Resume

Profile

Geospatial specialist with a solid career spanning more than two decades, leading and delivering GIS solutions based on Esri technology in Brazil, Portugal, and Angola. Experienced in every stage of the GIS lifecycle — from requirements analysis, system design, and database modeling to ArcGIS Enterprise deployment, 3D visualization, and spatial analysis. Having progressed through multiple positions — from technician to director — I bring a comprehensive understanding of both the technical and managerial aspects of GIS projects. Skilled at guiding teams, supporting government and private sector clients, and integrating geospatial intelligence into decision-making and digital transformation processes.

Personal Information

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Professional Experience

Confidential (Brazil)– Freelance GIS Consultant (Oct 2025 –)

•   Design and implementation of GeoBIM MVPs and POCs.

•   360 imagery app development

• LIDAR processing in GIS workflows

ArcGIS Online, Oriented Imagery, Experience Builder, Dashboards

Confidential (United States)– Freelance GIS/BIM Analyst (Aug 2025 –)

- Design and implementation of GeoBIM MVPs and POCs.

- Conversion, processing, and publishing of Reality Capture data (LIDAR, orthophoto, point cloud).

- Management of accounts, content, members, credits and apps creation in ArcGIS Online , Dashboard, Experience Builder and ArcGIS Maps SDK for JavaScript.

- ESRI Partnership account focal point – administration of licenses, profiles, and groups.

SMART SKY TECH HUB (Brazil) – GeoBIM Director (Nov 2022 – Jul 2025)

- Leadership of GIS/BIM teams and projects for government clients.
- Design and implementation of GeoBIM MVPs and POCs.

- Administration of ArcGIS Enterprise (development and production environments) – installation, upgrades, end-user support, and troubleshooting with IT teams.

- Conversion, processing, and publishing of Reality Capture data (LIDAR, orthophoto, point cloud).

- Management of multiple accounts, content, members, credits and app creation in ArcGIS Online for government clients.

- ESRI Partnership account focal point – administration of licenses, profiles, and groups.

Confidential (Portugal) – Freelance GIS/BIM (Aug 2021 – Jul 2022)

- 3D modeling – CAD to BIM conversion in CityEngine and ArcGIS Pro.

- BIM modeling – Hydraulic, Electrical, and Architectural projects in Revit.

- Publishing 3D/GeoBIM content on Portal for ArcGIS.

University of Lisbon (Portugal) – Faculty of Sciences – Researcher and Senior Technician (May 2017 – Jul 2022)

- Publication and maintenance of the SMARTCAMPUS portal (ESRI CityEngine).

- GIS technical support (email, phone, in-person) for the academic community.

- Design and development of geographic databases (Geodatabase/PostgreSQL).

- Installation and maintenance of ArcGIS Enterprise (Portal/Server/Datastore) in Linux environments.

- Creation and management of WebMap Services and WebApps with WebApp Builder, JavaScript API, groups, and profiles.

- Development of CGA rules, texture applications, and publishing in the portal.

- 2D/3D campus modeling in CityEngine, ArcGIS Pro, WebScenes, and WebApps.

- Creation and management of apps – Survey123, Field Maps, Collector for ArcGIS.

- Cartography – mapping, vectorization, and AutoCAD to ArcGIS data conversion.

Confidential – Freelance GIS (Portugal) - (Apr 2020 – Dec 2020)

- Modeling and creation of Obstacle Limitation Surfaces for airports (ICAO standards) with ArcGIS Aviation Airports.

- Conversion of LIDAR data (DEM and DSM) and 3D modeling with ArcGIS Desktop 10.7.1 and 3D Analyst.

- Report creation and CAD products for obstacle identification within surfaces.

Sinfic – ESRI Angola (Angola, África) – GIS Consultant & GIS Instructor (Apr 2010 – Dec 2014)

- GIS technical support: email, phone, and in-person.

- Requirements analysis and client solution design.

- Development of geographic databases (SQL Server, Oracle, MySQL).

- Creation and management of WebMap Services (ArcGIS Server).

- Cartography: mapping, digitization, GPS data conversion, map layouts.

- 3D modeling with ArcGIS CityEngine and ArcScene.

- Process automation with ModelBuilder and Python.

- ESRI Instructor – geodatabases, image processing with ENVI, navigation GPS, 3D Analyst, Spatial Analyst, Network Analyst, GIS for Oil & Gas.

- Development of training manuals.

- Image processing – Landsat, WorldView, Ikonos, drone imagery.

Primesoft (Portugal) – GIS Specialist (Nov 2009 – Mar 2010)

- Spatial analyses.

- Layout creation, alphanumeric data conversion, and reporting in ArcGIS Desktop.

Grupo CME (Portugal) – CAD-GIS Technician (Feb 2009 – Nov 2009)

- Inventory of GIS data, including metadata creation.

- Layout creation, alphanumeric data conversion, and reporting in ArcGIS Desktop.

- CAD to GIS data conversion with topological corrections.

3D Cities (Portugal) – GIS Technician (Mar 2007 – Mar 2008)

- Spatial analysis and 3D modeling.

- Creation and management of WebMap Services with ArcGIS Server.

- Layout creation, data conversion, and reporting in ArcGIS Desktop.

INFLOR (Brazil) – Consulting and Systems – GIS Specialist (Feb 2004 – Jan 2007)

- GIS technical support: email, phone, and in-person.

- Spatial analysis, requirements analysis, and solution design for desktop, web, and mobile.

- Development and maintenance of GIS solutions (desktop, web, mobile).

- Cartography: layouts, alphanumeric data conversion, and reporting in ArcGIS Desktop.

Laboratory of Topography and Cartography (Brazil) – LTC, UFES – GIS Intern (Jan 2000 – Dec 2003)

- CAD data conversion.

- Digitazing of topographic maps for Espírito Santo State.

- GPS mapping with Trimble equipment.

Education

- **Postgraduate Certificate** – BIM Projects in Building Construction, IPOS Specialization – Online (2021–2023) – Brazil.

- **Bachelor's and Licentiate in Geography**, Federal University of Espírito Santo – Brazil (1999–2004) – Brazil.

- **Master's in Territorial Management – Remote Sensing and GIS**, Nova University of Lisbon (2007–2010) – Portugal.

Other Training and Certificates

- Design Geodatabases I & II – Vitória, Brazil

- Image Processing with ArcGIS/ENVI – Johannesburg, South Africa

- Transform AEC Projects with GIS and BIM_Certificate - ESRI Training

- Modeling a City Using Esri CityEngine – ESRI Training

- ArcGIS Online Administration – ESRI Training

- Working with the ArcGIS Solution for 3D Buildings_Certificate – ESRI Training

- An Introduction to 3D o the Web with the ArcGIS API for Javascript – ESRI Training

- General English – Dublin, Ireland (CES)

Languages

- **Portuguese**

- **English**

Digital Skills

- Microsoft Office, Windows, Linux , Windows Server

- SQL Server, MySQL

- ArcGIS CityEngine, ArcGIS Desktop, ArcGIS Pro, ArcGIS Server, Portal for ArcGIS

- Cartography, Map design, Spatial Analyst, 3D Analyst, Network Analyst, Experience Builder, Instant Apps, ArcGIS Maps SDK for Javascript API, Oriented Imagery

- ENVI, ERDAS, IDRISI

- Agisoft Photoscan

- Autodesk Revit 2022, AutoCAD 2022, Augin, TQS

- Google Earth Engine (scripting and processing)

- Website creation and customization – HTML, Bootstrap, Joomla CMS, WordPress, JavaScript

- Adobe Photoshop, Lightroom, Corel Draw

- Digital Photography, 360° Photography (Google Trusted Photographer)