

JD Franco

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About

Results-Driven Technical Lead with a meticulous attention to detail and a proven track record in leveraging geographic analysis and cutting-edge technologies for enhanced information management and decision support. Proficient in crafting innovative solutions that empower clients to analyze and visualize complex data effectively. Takes a collaborative approach to working with clients in developing bespoke solutions tailored to their unique requirements, including the creation of stand-alone applications and extensions to reporting platforms like Tableau for expanded capabilities.

Education

2007-2012

**Bachelor of Science,
Topographic Engineering**

Polytechnic University of Madrid -
Madrid, Spain

2013-2014

**Master of Science,
Geographic Information Systems**

ESRI - Madrid, Spain

Expertise

- HTML and CSS
- Scripting : Javascript, Python
- BI tools: Tableau Desktop, Embedding API, Extensions API, REST API
- GIS: ArcGIS, Qgis, Mapbox
- Cloud: Microsoft Azure

Certification

Tableau Certified Associate Consultant

Azure Fundamentals

Language

English

Spanish

Experience

● Lovelytics, LLC

TECHNICAL LEAD | AUG 2023 - PRESENT

- Develop scripts to automate Tableau Server/Cloud content management, streamlining processes and improving efficiency.
- Create Azure functions and applications, leveraging Microsoft Azure to enhance technical capabilities and deliver scalable solutions.
- Architect and develop interactive websites using JavaScript, HTML, and CSS, integrating with backend systems for dynamic user experiences.
- Innovate Tableau Dashboard Extensions to enhance functionality, integrating external APIs and geospatial data for advanced analysis, as well as embed Tableau dashboards into websites, portals, or applications for sharing interactive data visualizations with customers or teams.
- Automate and manage Tableau server using Python scripts and the Tableau REST API, ensuring efficient server/cloud maintenance.
- Offer GIS consultancy, providing expertise in spatial data management, analysis, and mapping strategies for informed decision-making.
- Integrate various APIs to connect systems, retrieve data, and enhance functionalities of web applications, including location-based services and social media platforms.
- Design and implement serverless architectures in Azure using Azure Functions, Logic Apps, or Event Grid for scalable and cost-effective solutions.
- Deliver ongoing technical support and maintenance services, addressing bug fixing, implementing security updates, optimizing performance, and enhancing features.

SENIOR GIS & CUSTOM DEVELOPMENT SPECIALIST | MARCH 2019 - AUG 2023

- Collaborated closely with clients to tailor and implement tailored solutions that addressed their unique requirements, ensuring a personalized and effective approach.
- Built stand-alone applications and extended functionalities of established reporting platforms such as Tableau and Power BI, enhancing overall data capabilities.
- Developed visually impactful dashboards using Tableau Desktop accompanied by the creation of insightful user stories, while also providing solution approach and implementation documentation to ensure seamless execution.
- Created web mapping applications with Mapbox, contributing to advanced spatial data visualization and analysis.

● National Community Reinvestment Coalition

SENIOR GIS SPECIALIST | AUG 2016 - MARCH 2019

- Optimized mapping processes by developing cartographic layouts, formats, and design standards, accelerating overall efficiency.
- Streamlined data delivery time by creating SQL Databases containing third-party data accessible through Power BI.
- Enhanced mapping workflows and reduced human errors through the implementation of automated scripts.
- Implemented ArcGIS Server technology to transform paper-based departmental reports into web applications and to develop and maintain web mapping tools.
- Designed and administered the website for the Research and Evaluation team.
- Facilitated onboarding and training for new employees, ensuring proficiency in mapping execution and delivery.

● Gestall Ingeniería y Gestión Integral

FTTH NETWORK DESIGN ENGINEER | NOV 2014 - DEC 2015

- Utilized advanced Geographic Information Systems (GIS) and MicroStation expertise to strategically develop high-quality fiber optic network plans.
- Collaborated with leading Spanish telecommunications corporations such as Telefónica and Jazztel, incorporating preexisting designs and consultation insights.
- Demonstrated precision and thoroughness in creating architectural layout maps by conducting on-site surveys of potential fiber optic host sites. This meticulous approach ensured accurate representations of buildings and surrounding properties, contributing to comprehensive planning and decision-making processes.