

JAIME ALONSO

SYSTEMS AND TELECOMMUNICATIONS ENGINEER

LANGUAGES

- **Spanish (Native)**
- **English:** Advanced (C2 Proficiency)
- **French:** Intermediate (A2 Proficiency)

SUMMARY

Systems and Telecommunications Engineer with proven experience in designing and developing modern software products. Strong expertise on different types of software architectures including internet of things solutions. Results oriented professional.

Passionate about software development; especially on web and mobile technologies.

PERSONAL SKILLS

- Web Development
- Software Architecture
- Mobile Development
- Agile Methodologies
- Cloud-based technologies
- Front-end and Back-end Development
- Led teams of medium and large sizes

CONTACT INFORMATION

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Location: Bogota, 110221, Colombia

EXPERIENCE

Senior Software Engineer

Tech9 | September 2023 - present

- Development services on Angular, ReactJS and .Net applications.
- Support services on current .Net and NodeJS applications to clients.
- Unit testing in different languages such as XUnit and Jest.
- Managed cloud infrastructure services in both MS Azure and AWS.

Senior Software Engineer

Perficient | September 2022 - September 2023

- Development services on Angular, ReactJS and .Net applications.
- Support services on current .Net 6 and NodeJS applications to clients.
- Unit testing in different languages such as XUnit, Jest
- Manage cloud infrastructure services in both AWS and MS Azure including an array of PAAS and IAAS components.
- ML applications using ML .Net and Azure Cognitive Services.

Technical Leader

Yuxi Global | September 2021 - September 2022

- Development services on Node JS, Angular, Python, ReactJS and .Net.
- Support services on current .Net 6, Python, NodeJS and Node red applications to clients.
- Created and supported deep learning applications with Python and Tensorflow.
- Unit testing in different languages such as XUnit, Jest and MS Test.
- Manage cloud infrastructure services in both AWS and MS Azure.
- Establish best practices in cloud such as the usage of IaC with terraform, docker and kubernetes.

Cloud Computing Technical Leader

Banco de Bogota | September 2019 - September 2021

- Bring a developer mindset to establish the culture and best practices around the delivery of everything-as-code.
- Implement infrastructure and procedures to support a 24/7 business in both AWS and MS Azure.
- Manage cloud infrastructure services in both AWS and MS Azure.
- Lead the support and development of web and cloud-based applications (Java, Go, .Net Core, NodeJS, Angular and ReactJS)
- Mentor team members in engineering best practices and effective use of cloud infrastructure and tools.

Technical Leader

TSG | October 2018 - August 2019

- Provide outsourcing services regarding software design and development to replace and maintain current applications. (.Net, NodeJS, Angular, React JS, VueJS)
- Manage cloud infrastructure services on MS Azure/AWS.

Full Stack .Net Developer

TSG | February 2018 - September 2018

- Contributed to the development of software products with different teams located in U.K, Denmark and Malaysia.
- Support services on current .Net Core, NodeJS and VueJS applications to clients.
- Created, analyzed and presented a list of software requirements for different clients based in U.K, London and Copenhagen, Denmark.
- Deployed an array of services in Microsoft Azure including App Services, Virtual machines (Both Windows and Linux OS), Blob Storages, Azure Cognitive Services, SQL and No-SQL Databases, Load balancers and CI/CD pipelines on Azure DevOps.
- Designed and developed both the backend and the frontend of web applications.

Research Staff Member

Sergio Arboleda University | September 2017 - February 2018

- Contributed to the development and planning of different Internet of Things solutions and software applications (Angular, ReactJS, NodeJS, .Net and VueJS).
- Published and presented a research paper on IEEE.

Full Stack Developer

Puritec de Colombia | October 2015 - August 2017

- Contributed to the design, development and deployment of websites and a mobile application; both in back-end and front-end (Angular, NodeJS, .Net).
- Developed different types of machine learning services, including the design and deployment of a chatbot.

EDUCATION

Sergio Arboleda University

Systems and Telecommunications Engineering | September 2014 - May 2019

- Graduate university degree with focus on software architecture, software development and internet of things solutions.
- Worked as a researcher in the IEEE Internet of things hotbed.
- Author of the research paper "*IoT Solution for Data Sensing in a Smart Campus using Smartphone Sensors*" published in IEEE Xplore. (DOI: 10.1109/ColComCon.2018.8466707)

Universidad de los Andes

Software Engineering, Master's Degree | July 2023 - December 2024

- Focuses on the principles of modern software engineering, together with the tools, methods and techniques that support their application.
- Emphasis on Software Architecture and Cloud native development..

Intecap Colombia

Software Development | January 2015

- Diploma in standard software applications development in .NET using C#
- Focused on software development using Microsoft technologies.

HONORS & AWARDS

Academic Scholarship

Sergio Arboleda University | January 2014

- Academic scholarship earned through the scores obtained at Colombia's National University entrance.

First Place at Engineering Fair

Sergio Arboleda University | November 2016

- Placed first at Engineering Fair USA 2016 - II with a 2D videogame made in JavaScript.

Second Place at Engineering Fair

Sergio Arboleda University | November 2017

- Placed second at the Engineering Fair USA 2017 - II with a gas monitoring solution using embedded systems.

First Place at Engineering Fair

Sergio Arboleda University | November 2018

- Placed first at Engineering Fair USA 2018 - II with an IoT platform that creates visualization services for different types of data.

LICENSES & CERTIFICATIONS

Microsoft Azure: Containers as Infrastructure

Microsoft | January 2021

- Technical course focused on Microsoft Azure's managed Kubernetes services fundamentals (AKS) and best practices.

Developing on AWS

Amazon Web Services | November 2020

- Development fundamentals and best practices in AWS.

Advanced Developing on AWS

Amazon Web Services | November 2020

- Advanced developing techniques in AWS.

Advanced Architecting on AWS

Amazon Web Services | November 2020

- Advanced architectures and best practices in AWS.