Gonzalo Parajon

Vice President
Department Manager, Software Development

Sonoma Technology

Mr. Parajon joined Sonoma Technology in 2012 and currently manages the Software Development Department. His primary duties include overseeing the day-to-day operations of his team, as well as working with multi-disciplinary teams to drive technical innovation and high-quality software solutions.

Since joining the company, Mr. Parajon has played a major role in the design and development of several real-time data acquisition and processing systems, data visualization applications, and data analysis tools. For example, he was a key contributor for the U.S. Environmental Protection Agency's (EPA) AirNow program, a real-time air quality system servicing more than 150 air quality management agencies across the U.S., as well as the international arm of the same program, known as AirNow-I.

Education

BS, Computer Science, Sonoma State University

For a list of publications, see sonomatech.com/ResPub/GXPpub.pdf.

Most recently, Mr. Parajon has served as the Information Systems Manager for regulatory refinery fenceline air monitoring programs related to the South Coast Air Quality Management District's (SCAQMD) Rule 1180 and the Bay Area Air Quality Management District's (BAAQMD) Rule 12-15. In support of these programs, he helped direct the overhaul of a cloud-based, real-time data management system called Insight, a public notifications system, and an inventory of hundreds of peripheral high-resolution data telemetry systems deployed at several industrial facilities. In this capacity, he was often the direct interface between internal and external clients and technical teams at different levels, extracting project requirements by translating them into robust technical solutions, organizing major software engineering tasks, and managing day-to-day operations to ensure the success of these programs.

Mr. Parajon has worked to encourage the adoption of software development best practices among his team members, introducing procedures and tools for collaboration and knowledge sharing, and emphasizing quality over quantity. The resulting improved environment of cooperation proved essential at different phases of implementation for several high-profile projects that involved multiple teams across different domains and time zones.

Other contributions include developing alerting systems for community-based hydrogen sulfide (H_2S) monitoring networks for the SCAQMD and the City of Richmond; implementing an air quality alerting system for international monitoring sites for the U.S. Department of State's Embassy and Consulates in Asia; updating software tools for the California Department of Transportation, such as CT-EMFAC2014, a modeling tool for on-road vehicle emissions, as well as DVTool, which is used to calculate particulate matter design values for comparison to National Ambient Air Quality Standards.

Before working at Sonoma Technology, Mr. Parajon worked as an intern at the Mendocino County Department of Transportation, where he collaborated with other computer science students and civil engineers on a year-long transportation research project.

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