Javier Rodriguez
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Woolwich, NJ
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Chief Engineer / Solution Architect

Highly motivated, multi-faceted engineer with experience in Military Systems and Applications delivering cutting edge solutions

Profile:

Experienced technical professional creating innovative solutions to highly complex problems. Expert in architecture and engineering methods in Command, Control, Communications and Computers, Information, Surveillance and Reconnaissance (C4ISR) systems. Consistent track record of success leading research and development efforts delivering innovative solutions. Change agent for Digital Engineering with extensive experience in full life cycle software product development utilizing Agile methodologies. Experience in Cost, Schedule and Risk Management in Defense development programs. Recognized expert and Solution Architect in DoD Systems

Tools and Technology

Experience with systems implemented in java, Python, C, C++, ADA

Engineering Management applications: Matlab, Git, Jama, DOORS, MS Suite, Visio, Cameo, Confluence, Slack

Education

Northeastern University
Bachelor of Science
Electrical Engineering

Clearance available upon request

EXPERIENCE

ShortGiraffe Innovations   **Nov 2023 – Present**
CEO
- Chief Engineer / Solution Architect growing a company focused on delivering capabilities to the DoD for Multi-Domain Operations across the C5ISR portfolio.

Leidos, Reston VA   **Feb 2015 – Nov 28 2023**
Chief Engineer/Solution Architect (CSM) –Office of Technology: Defense
- Chief Engineer in a growing division focused on delivering capabilities to the DoD for Multi-Domain Operations. This includes orchestration and management of sensors, communication types and protocols, and effects decision making through delivery. Perform as the principal investigator and Program Manager developing open architecture compliant systems in hardware and software for Department of Defense customers. I have managed and delivered solutions in an expanding research and development portfolio < $10M. These solutions set the foundation for a company strategy of growth into new markets, capabilities, and customers. Leveraging relationships and technology I successfully supported the creation of a new division within Leidos. During my tenure I am responsible for defining and delivering winning solutions in proposals and capture activities totaling more than $1B. I enjoy building, mentoring, and challenging the engineering team in delivering modern approaches and solutions to legacy systems, processes, and standards. Innovate where possible and strategize on methods to deliver results outside the box. Deliver outcomes and customer support on programs when needed acting in the roles of Chief Engineer, Program Manager or Systems Engineer. I have lead the delivery of modern solutions across heterogeneous hardware ecosystems utilizing cloud and hybrid deployment strategies. As a technologist I advise the office of Technology and Chief Technical Officers on investment and acquisition positions.

Booz Allen Hamilton, Belcamp MD   **Jan 2013 – Feb 2015**
- Lead a team of 150 full time personnel in delivering a biometrics system to the US Army. The team comprised 10 different companies across 3 countries. I authored technical directives, requirements documentation, system design, official Government responses and technical publications. I have presented and advised government personnel and officials, O5 and above, on risks, opportunities, technical advancements, and modernization strategies. Advise on budgets required to achieve with supporting documentation.

4D Security Solutions, South Plainfield, NJ   **Mar 2011 – Jan 2013**
- Lead and deliver a Command and Control product integrating varying sensors including; RF radars, PTZ Cameras, fence controllers, license plate readers and CCTV systems. I created and executed project work plans related to infrastructure implementations according to program objectives. Defined scope and negotiate product features and capabilities for both current customers and future business growth. Provide developmental feedback for employees, including training plans and professional development, in addition to employee reviews and salary adjustments.

Northrop Grumman, Moorestown, NJ   **Apr 2009 – Mar 2011**
Missile Defense Agency Program Office – DoD Project
- Support Government Budget Reviews, Program Reviews, Program Deep Dives including Risks and mitigation plans and other business management meetings/reviews as required. Participate with Defense Contract Management Agency (DCMA) and its overall system surveillance, and report to Missile Defense Agency officials. Serve as the primary point of contact with Lockheed Martin Baseline Software Project Managers, Leads and other personnel to receive hardware and software data to evaluate the status of the Aegis Ballistic Missile Defense programs.

Self Employed, Elkton, MD   **Jan 2008 – Apr 2009**
Alliant TechSytems – Tactical Propulsions and Control
- Systems Engineering consultant providing guidance to system design, documentation, test, and acceptance. Presented and delivered the first successful critical design review for the Attitude Control Motor whose mission was to eject the Astronaut payload pod from the rocket in the event of a critical failure.

Lockheed Martin, Moorestown, NJ – DoD Project   **Jul 2001 - Jan 2008**
- Perform testing and verification of Aegis Combat System / Weapon system integration for delivery to Navy personnel and system deployments. Lead and manage the design, test and verification of Fire Control Systems for the Surface Navy and the Ballistic Missile Defense Programs. Lead in the development and integration of tracking functions and weapon engagement processing using multiple positional sensors. Support the modernization of software and hardware in legacy baselines moving toward higher capability infrastructure and software deployment patterns and structures.