

Dolores Lowe

PM/Deputy PEO STRI Accounts Manager - ALION SCIENCE

Winter Springs, FL - Email me on Indeed: [indeed.com/r/Dolores-Lowe/cb03e965912880f0](https://www.indeed.com/r/Dolores-Lowe/cb03e965912880f0)

Engineering professional with extensive experience working with both foreign and domestic simulation military sectors;

Experienced in flight and ground simulation trainers and the associated Live, Virtual, Constructive, and Gaming domains; Solid

reputation for delivering projects which consistently meet cost and schedule constraints; Briefed and represented

programs at major conferences, military dignitaries, and customers; Managed diverse teams providing guidance and

mentorship. Fluent in Spanish. Core competencies include:

Program & Project Management, Customer Relations, Business Development, Systems Engineering, Requirements

definition, Modeling and Simulation (M&S), Systems Integration, Team building and management, Simulation Database Development, Briefings and Presentations.

WORK EXPERIENCE

PM/Deputy PEO STRI Accounts Manager

ALION SCIENCE - 2015 to Present

Program manager in support of Army programs; Business Development accounts manager in support of U.S. Army

PEOSTRI and Air Force FMS programs; Teaming strategy, requirements analysis, market analysis to support new

business development; Proposal capture, Proposal writing, Development of technical solutions, White paper writing, and Oral presentations in support of proposal submission. Proposal Review for both internal and external team

members.

- Program Manager for the TSS II LVC-IA Operational Support Program developed the winning staffing plan, staffed entire program in less than 2 weeks, and established an operator certification program to ensure consistent support throughout the program.
- Development of multiple IRaD projects in pursuit of capture. Critical IRaD completed on time and within cost. Established relations with multiple industry partners for critical support.
- Produced cost and schedule for FMS pursuits.

JSF Italy Training PM/Lead

LOCKHEED MARTIN - March 2014 to April 2015

Directed technically complex effort running Boeing and Lockheed Martin software on Rockwell Collins IGs and Barco displays. Mastered intricacies of ITAR, FMS, and international coordination (e.g., EPAF) to deliver training

instruction to foreign entities. Training enabled JSF partner nations to develop databases locally on the new, classified, ITAR-controlled F-35 system.

- Develop training curriculum for partner nation database development.

- Perform database development oversight duties of partner nation development.
- Plan, purchase and logistically implement hardware purchases for partner nations, evaluate and resolve ITAR issues.

SAGE Database Manager/Architect

Provide extensive technical, strategic guidance and clarification of technical issues. Plan new design of database

structure and features, and ensure effective integration and optimal database performance; develop and maintain

policies and procedures for design and development of models and databases. Oversee team of Database Development engineers and modelers. Assist customers with geospatial requirements clarification for development

of runtime databases and geospatial products. Provide requirements and production analysis along with estimates and technical support for program bids, evaluation and resolution of customer requirements and derived requirements.

- CAM responsibilities for flight programs.
- Developed winning database proposal cost bid for UKMFTS Rotary Wing and Fixed Wing.
- Developed database estimates for international sales, UAE naval bridge trainer, EPAF F16.
- Database development for the F-16 Netherlands M6.5 Simulator Upgrade.
- Rapid development of multiple demonstration databases, in support of new state of the art demonstration facility.
- Provided Project Management oversight, Earned Value (EV) tracking to Engineering Leadership, tracking impacts to project scheduling, status, and risk assessment.

US ARMY PEO STRI/STRONGPOINT RESEARCH - June 2010 to March 2014

Synthetic Environment Core (SE Core) Systems Engineering and Technical Assistance (SETA)

Work closely with the government engineering staff and provide analysis and engineering services. Provide technical

guidance and clarification to contractors; address contractors' technical issues and questions, and assess change

proposals' technical, cost and schedule risks. Ensure projects are executed within established resource limits and remain on target with milestone schedules. Government technical representative at progress reviews, design reviews,

testing and technical interchange meetings with contractors. Coordinate contractor's technical experts in system

engineering efforts. Support of CCTT, CFFT, HITS, OneSAF, LVC-IA, Constructive, Mission Command (MC), and VBS2 Gaming programs.

- Commended for "exceptional support to the SE Core Program" and "significant and long-lasting" impact, including strengthening of SE Core customer relationships. Per the SE Core PM, "Ms. Lowe excelled as the SE Core focal point to the Close Combat Tactical Trainer (CCTT). She forged a strong working partnership with CCTT that led to a new harmony with this extremely important customer. She singularly developed strong allegiance with LVC-IA and backed it up with providing SE Core products that helped LVC-IA achieve program goals. Mrs. Lowe further excelled in her support to the Games for Training Office. Her assistance instilled confidence in SE Core's ability to keep gaming database requirements. This new customer is looking to PEO STRI because of Mrs. Lowe's efforts."
- Managed SE Core team to meet highly challenging TRADOC product request for terrain stitching. Created prototype of the Decisive Action Training Environment (DATE) simulation in 3 months without impact to the team's normal work assignments. Provided technical and management leadership, performed systems

engineering, and facilitated collaboration with the NSC. Commended by the NSC Director for "all the hard work that led to a successful demonstration of a solution to the 'terrain stitching' wicked problem [and] an exceptional job of presenting to CAC-T leadership how SE Core could create terrain overlays for mission command systems that enables a live training audience and a training audience using constructive simulations to train together ."

- Risk assessment and tracking of project scheduling; inform APM, Engineering Leadership and users.
- Negotiated the successful acquisition of customer funded Army Central Command Project (ARCENT)
- Representation of the SE Core program at technical conferences, marketing of program to outside companies/ programs. Coordination of FMS cases with ABC countries.
- Review, analyze, and clarify requirements and documentation with end user programs and TPO Terrain at the National Simulation Center (NSC).
- Evaluate design, development, integration, and test of visual simulation software, databases, interfaces, and instrumentation devices.

Manager Database Engineering

ADACEL - August 2008 to June 2010

Management of a diverse international team of database engineers in the development of geospecific databases for air traffic control (ATC) training.

- Database Engineering Manager leading geographically distributed team for production of 264 geospecific air traffic control visual databases with stringent requirements for Level-D flight simulators.
- Implemented surge capability using economical, off-site subcontractor resources to accommodate changes with no impact to delivery schedule and planned cost.
- Responsible for schedule, budget and delivery of an FAA \$48M dollar contract.

Lead Database Engineer

LOCKHEED MARTIN - January 2006 to July 2008

Design and development of flight military simulation databases; using Terra Vista; Arc GIS, Presagis Creator.

- Development of a London demonstration database incorporating 65,000 3D models, models were developed by an international subcontractor and delivered nightly. Delivered products included runtime visual database, CTDB, and DTED.
- Configuration management (CM) solutions team member developing more efficient processes and tool sets in order to increase our CMMI process level.
- Delivery of the F-16 Belgium MLU database; responsible for the production of synthetic environments, acceptance testing, discrepancy resolution, and documentation.

Database Development Consultant

STAR TECHNOLOGIES - February 1992 to March 1994

Independent consultant providing design and development oversight of U.S. Navy rotary wing flight databases.

- Developed demonstration databases using MultiGen(TM) Creator for use by marketing personnel on the Graphicon 2000 Image Generator.
- Constructed database deliverable items for the Navy SH-60 Helicopter Simulator Program.
- Designed and generated database documentation for deliverable databases.
- Performed test discrepancy resolution.

Lead Database Engineer/Training Instructor

MCDONNELL DOUGLAS - December 1989 to January 1992

Responsible for curriculum development and training of end user in the operation and maintenance of the simulation

system; development of pilot training databases for the commercial market.; IR&D geared towards development of the next generation VITAL system.

- Planned, developed training curriculum to train domestic and international field service representatives in Hardware/Software operations of visual flight simulators. Provided training courses in English and Spanish.
- Coordinated system configuration and updated between the training department, software and database generation.
- Provided training courses in English and Spanish.
- Oversight of Database Development for commercial pilot training.

Database Engineer

GENERAL ELECTRIC - April 1986 to October 1989

Design development and integration of Air Force C-130 flight military simulation databases.

- Development, acceptance testing and integration of synthetic environments for the C-130 CompuScene II IG.
- Construction of moving models for the CompuScene II.
- Wrote software to support database/IG realtime integration.

EDUCATION

Bachelor of Science in Mathematics and Computer Science

Strayer University

Bethune Cookman University - Daytona Beach, FL