

NOE

NATE O'LEARY ENTERLINE

COMPUTER SCIENCE MAJOR | www.techsolutionsnate.com

OBJECTIVE

Experienced Interactive Electronic Technical Manual developer and computer science graduate. Track record as a self-starter and a quick learner. Constantly seeks out additional responsibility. Works well under pressure and with uncertainty.

SKILLS

Java
C++
JavaScript
HTML
CSS
XML
Python
XPath
SQL
Visual Basic
.NET
Diagnostician
GitHub
Arbortext
SDL Contenta
PTC Windchill
S1000D
MIL-STD-3048

EXPERIENCE

BUSINESS SYSTEM ANALYST LEAD • GENERAL ATOMICS AERONAUTICAL SYSTEMS INC

• JUNE 2024-PRESENT

- Led a cross-functional team of six, including Software QA personnel, to manage and optimize software systems used in developing technical publications.
- Acted as the primary liaison between technical staff and end-users to ensure business needs were met through customized software solutions and enhancements.
- Conducted in-depth analyses of current business processes, identifying areas for improvement and implementing system updates to drive operational efficiencies.
- Designed and coordinated the development of detailed reports and dashboards, enabling stakeholders to monitor progress and outcomes effectively.
- Oversaw software quality assurance processes, ensuring all deliverables met organizational standards and regulatory compliance.
- Championed the evaluation and integration of new software technologies, ensuring alignment with business goals and seamless adoption by the team.
- Provided training and mentorship to team members on software applications and best practices, fostering a culture of continuous improvement.

Special Projects

- Technical Lead for data cleanup project to address over 35,000 errors across 5,500 files caused by outdated authoring rules.
- Technical Lead for image conversion effort conversion of 1,000+ images to meet updated file type requirements.



NATE@TECHSOLUTIONSNATE.COM



919-500-1287



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MIL-STD-38784

- Created an XML redaction tool to facilitate transition to new viewer.
- Created an error free publishing application that was able to read logs and replace XML files with errors with templates to allow development publishes can proceed.
- Technical Lead for the transition from SDL LiveContent viewer to GPSL Viewpoint. Which required the creation of multiple applications to create a streamlined process. This transition reduced publishing time by 80%.

SOLUTIONS ARCHITECT • GENERAL ATOMICS AERONAUTICAL SYSTEMS INC • NOVEMBER 2022-JUNE 2024

- Assists in implementing new technologies for Technical Publications department by performing user acceptance testing and working with database administrators, server administrators, and with third-party company that develops new functionality for our CSDB.
- Creates and maintains applications that create efficiencies and expand capabilities for the department.
- Help develop an implementation strategy for new technologies.
- Review documentation of new technologies to exploit the functionality for efficiency gains.
- Diagnoses and fixes any database errors by working with companies Information Technology group and with a third-party company responsible for code maintenance of Common Source Database.
- Makes decisions on how to implement new data into database that allows for data reuse and complies with S1000D authoring standard and MIL-STD-3048.
- Diagnoses and fixes issues that arise from technical writers developing new content.
- Diagnoses and fixes any issues that the customer experiences when using the IETM.



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- Create policy and processes to ensure a consistent quality product.

Additional Responsibilities

- Database administrator for Oracle SQL Database.
Includes but is not limited to database maintenance, Diagnostics and repair, Standing up new databases.
- Systems Administrator for SDL Contenta software.
Includes but is not limited to. Functional Acceptance testing of new application servers. Diagnostics of publishing issues. Maintenance of publishing engine.

PRODUCT INTEGRITY LEAD • GENERAL ATOMICS AERONAUTICAL SYSTEMS INC • FEBURARY 2021-NOVEMBER 2022

- Developed team from conception to deployment.
- Responsible for the integrity of technical data in Interactive Electronic Technical Manual.
- Constructs environment for data reuse applicability based on S1000D version 4.1 and 4.0.
- Write scripts to check all files in technical manual to ensure that all data complies with S1000D and MIL-STD-3048.
- Verify that data being delivered complies with all federal export compliance which includes but not limited to International Traffic in Arms Regulations (ITAR)
- Maintains internal webpage to communicate best practices.
- Diagnose all issues involved with invalid XML.
- Diagnose all issues related database.
- Develops Product Integrity process.
- Performs Product Integrity checks on all deliverable products.

Special Projects

- Member of the lead group that transitioned the company from Contenta database to Windchill database.



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- Member of lead group that transitioned the company from S1000D 4.0 to S1000D 4.1.
- Project manager and developer for capstone project which created XML validation software for General Atomics.
- Member of team that selected the new IETM viewer software.
- Lead member of test an implementation team for new IETM viewer.
- Lead data architect for transitioning 3 manuals from SGML to S1000D 4.1 XML.

PUBLISHING LEAD • GENERAL ATOMICS AERONAUTICAL SYSTEMS INC • NOVEMBER 2018 – FEBRUARY 2021

- Chosen to stand up the newly created publishing team
- Responsible for the software publish of the interactive electronic technical manual.
- Create install packages for the Interactive Electronic Technical Manual.
- Create software deliverable packages.
- Develops scripts to parse the publication logs for errors so they could be fixed.
- Develops process for publication of software to ensure consistent quality.
- Diagnose all publishing errors.
- Maintains internal webpage that displayed technical manual for internal review.

DEPARTMENT SPECIALIST • GENERAL ATOMICS AERONAUTICAL SYSTEMS INC • JANUARY 2017 – NOVEMBER 2018

- Responsible for delivering software product to customer.

SYSTEMS ADMINISTRATOR • UNITED STATES NAVY FLEET READINESS CENTER SOUTHWEST • JUNE 2013 – JANUARY 2017

- Responsible for the maintenance of the aircraft maintenance database server.



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- Create accounts for new employees.
- Responsible for receiving aircraft from commands and uploading into database.
- Responsible for the transfer of aircraft out of the database to new commands.
- Download flight data from aircraft and made the data presentable to leadership and maintainers for review.

SYSTEMS ADMINISTRATOR • UNITED STATES NAVY STRIKE FIGHTER SQUADRON 195 • DECEMBER 2009 – JUNE 2013

- Responsible for the maintenance of the aircraft maintenance database server.
- Create accounts for new employees.
- Download flight data from aircraft and made the data presentable to leadership and maintainers for review.
- Responsible for maintaining electronic documentation of aircraft to demonstrate airworthiness.
- Lead for every major transition to and from deployments and detachments.
- During transitions made sure server was up and running and that all maintainer computers could access the database server. Diagnosed all connectivity errors.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE • APRIL 2022 • NATIONAL UNIVERSITY

Relevant Courses:

- Web and Mobile App Development
- Artificial Intelligence
- Computer Communication Networks
- Database Design



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- Algorithm Design

ASSOCIATES IN APPLIED SCIENCE AUTOMOTIVE TECHNOLOGIES • MARCH 2003 • WYOTECH

ADDITIONAL INFORMATION

- Achieved rank of Eagle Scout in the Boy Scouts.
- Currently hold a private pilot certificate with an instrument rating.
- Avid traveler
- Prior to my military service I was a Ford certified electronics technician.



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