

# NOE

## NATE O'LEARY ENTERLINE

COMPUTER SCIENCE MAJOR | [www.techsolutionsnate.com](http://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

#### SOLUTIONS ARCHITECT • GENERAL ATOMICS AERONAUTICAL SYSTEMS INC • NOVEMBER 2022-PRESENT

- 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.
  - 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.



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MIL-STD-38784

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.
- 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.



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- 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.
- 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.



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## 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:



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

**ASSOCIATES IN APPLIED SCIENCE AUTOMOTIVE TECHNOLOGIES • MARCH 2003 • WYOTECH**

## ADDITIONAL INFORMATION

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- 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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