

# Nicholas A. Boes

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GitHub Link: <https://github.com/NBPrograms> Portfolio: <https://nbprograms.github.io/>

## EDUCATION

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**Aurora University, Aurora, IL**

*May 2023*

Bachelor of Science in Computer Science

Bachelor of Science in Finance

Bachelor of Arts in Business Administration

## TECHNOLOGICAL EXPOSURE

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**Programming Languages:** C#, Java, Python, JavaScript, HTML, CSS, VBA, SQL

**Environments:** JetBrains, Visual Studio, Eclipse

**Frameworks:** React, Node.js, Bootstrap, Pug (Jade)

**Databases:** MySQL (AWS RDS Cloud Database), MariaDB (phpMyAdmin), SAP Quick viewer

**APIs:** REST

**Testing Tools:** Postman

**MS Office:** Excel, PowerPoint, Visio, Power Query, Power Automate

**Other Technical:** SAP, ANSI X12 EDI (electronic data interchange), GitHub

## EXPERIENCE

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**ALDI USA, Aurora, IL**

IT Applications Specialist I (Supply Chain System – EDI)

*May 2023 – Present*

- Developing an Excel Data warehouse, testing, and reporting tool aided by MS Power Query
- Coordinating EDI onboarding efforts for over 1,000 suppliers
  - Ran daily EDI testing and status roll call for 5 months
  - Serve as technical advisor for 4 trainees
- Led 12 training sessions for 9 service desk agents on EDI fundamentals, EDI in SAP, and EDI Message Implementation Guidelines (MIGs)
- Testing and supporting the following supplier EDI messages:
  - 850 Purchase Order
  - 860 Purchase Order Change
  - 856 Advanced Ship Notice (ASN)
  - 810 Merchandise Invoice
- Troubleshooting Purchase Order, ASN, and Invoice processing in SAP
- Specializing in 3rd Party Warehouse (3PW) EDI onboarding
- Exposure to Direct Store Delivery EDI onboarding
- Presented EDI topics in workshops to leadership and business stakeholders
  - EDI fundamentals and supply chain flow
  - 3PW EDI Onboarding

IT Intern (Purchasing Applications)

*May 2022 – May 2023*

- Improved the efficiency of a Mail Merge Marco written in VBA
- Utilized SAP Quick viewer to query data and setup table joins
- Aided EDI onboarding efforts for over 1,000 suppliers
- Learned the supply chain impacts of EDI supplier message requirements (850, 860, 856, 810)

- Exposed to ALDI's tendering process and carrier EDI messages (204, 990, 210)
- Researched and visualized ALDI's supply chain process from ordering to invoicing
- Presented an assessment of EDI in the supply chain to the vice president of IT

#### **Colony Brands, Inc. & Affiliates, Monroe, WI**

*Jun. 2021 – Aug. 2021*

##### Planning Intern

- Developed an Excel tool that aided a proposal to executives to reduce supplier counts
- Synthesized sales metrics into weekly reports for corporate planning meetings
- Performed data manipulation to forecast products

#### **COLLEGE WEB PROJECTS**

##### **Capstone Project - [Project AT \(Application Tracker\)](#)**

*Jan. 2023 – May 2023*

**Technologies** - Node.js, React.js, AWS RDS Cloud Database (MySQL), HTML, CSS, JavaScript, Bootstrap

Project AT was our Computer Science Capstone project. The idea behind the application was to design an all-in-one application to track jobs during the career searching process. We also included an interview prep page so the job applicant can save notes and interview information about a job they are looking to land. While we didn't complete everything we wanted to, we were able to present our product in front of a small audience at one of our university's lecture halls.

##### **Software Engineering Project - [ALDI PTO Tracker](#)**

*Sep. 2022 – Dec. 2023*

**Technologies** - Node.js, Pug (Jade), phpMyAdmin Database (MariaDB), HTML, CSS, JavaScript, Bootstrap

The PTO Tracker was done in partnership with ALDI USA. The goal for this project was to design a web application that would track vacation, sick, and personal days that associates, managers, and directors can take. Our application was not only supposed to track these days, but also allow associates to make PTO requests and have their manager approve or reject them within the application as well. Throughout the process, we were able to work with members of ALDI USA as our clients. In the end, we were able to present to them a functioning tracker with request and approve/reject capabilities. While there is still room for improvement, we were happy with what we were able to accomplish in the short time-frame.

#### **VOLUNTEER EXPERIENCE**

##### **Holy Angels Food Pantry, Aurora, IL**

*Feb. 2022 – Present*

- Assist with produce and meat distribution into food boxes
- Greet and aid customers with their food needs

##### **St. Anne's Parish, Oswego, IL**

*Jan. 2009 – Apr. 2022*

- **Catechist Aide:** Taught 10 – 15 middle school student each month for a year
- **Knights of Columbus:** Fundraised for different causes in front of various locations
- **Special Needs Program (SPICE):** Guided special needs students in classroom activities