

# Alexander Bean

[alexanderbean6601@gmail.com](mailto:alexanderbean6601@gmail.com) | (781) 801-4226 | Duxbury, MA | [LinkedIn](#) | [GitHub](#)

## EDUCATION

Boston University, *Department of Computer Science*  
**Master of Science – MS, Computer Information Systems**  
Concentration: Database Management & Business Intelligence

*Boston, MA*  
Anticipated May 2026

Bryant University, *Department of Information Systems & Analytics*  
**Bachelor of Science in Business Administration – BSBA, Information Systems**  
Minors: Finance & Psychology | Major GPA: 3.8/4.0

*Smithfield, RI*  
May 2023

## EXPERIENCE

### Arbella Insurance Group

*Quincy, MA*

Information Technology Business Analyst II

Sep 2024 – Present

- Engineered ETL pipelines to ingest corporate network and voice data from vendor tools via APIs and to populate a Microsoft SQL Server database, powering enterprise-wide performance dashboards for senior management.
- Automated batch jobs to systematically upload network and hosted machine data into OLAP databases, enabling analysis and reporting on infrastructure performance trends and service-level agreement compliance.

Information Technology Business Analyst I

Oct 2023 – Sep 2024

- Led the impact assessment process for updates and releases of the IT Infrastructure and Data & Analytics teams.
- Improved precision of assessments which resulted in a **56%** increase in timely approvals and an **85%** increase in correctly scoped submissions, streamlining the approval process and significantly increasing release efficiency.
- Developed Oracle database queries used by APIs to support business applications in retrieving customer data.
- Defined technical requirements, designed and executed test cases, and enforced information security best practices in a large-scale and high-visibility project to modernize company contact centers.

## CERTIFICATIONS

**Microsoft Certified: Azure Data Fundamentals**, *Microsoft*   **Entry Certificate in Business Analysis (ECBA)**, *IIBA*  
**Databricks Lakehouse Fundamentals**, *Databricks*   **Six Sigma Yellow Belt**, *Six Sigma Online*  
**Big Data Analytics for Risk and Insurance**, *The Institutes*   **ITIL 4 Foundation**, *AXELOS*

## PROJECTS

### End-to-End Data Engineering in Microsoft Azure

Jun 2024 – Jul 2024

- Assembled an end-to-end ETL pipeline using Data Factory, Data Lake Storage, and other Azure cloud services.
- Extracted data from on-prem SQL Server into the data lake and transformed it with PySpark in Azure Databricks.
- Loaded the cleansed data into Azure Synapse Analytics and visualized data insights in a Power BI dashboard.

### Shipment Management Application

Jan 2023 – May 2023

- Developed a low-code shipment tracking application model on Bubble.io, designed use cases and user scenarios with Visio, and prepared a SQL database with views, triggers, audit tables, and Access connection via ODBC.

### E-Commerce Site & Database

Sep 2022 – May 2023

- Constructed a coffee shop website in HTML, supported shopping cart functionality with JavaScript and the user experience with CSS, and implemented the user account system with Java and an Apache Derby database.

## SKILLS

**Languages:** SQL, Python (PySpark, Pandas, NumPy), Java, HTML, JavaScript, DAX

**Tools:** MySQL, PostgreSQL, Docker, Azure, AWS, Databricks, Terraform, Jira, Power BI