Alexander Bean

alexanderbean6601@gmail.com | Boston, MA | LinkedIn | GitHub

EDUCATION

Boston University, *Department of Computer Science*   *Boston, MA*
Master of Science – MS, Computer Information Systems   Anticipated May 2026
Concentration: Database Management & Business Intelligence

Bryant University, *Department of Information Systems & Analytics*   *Smithfield, RI*
Bachelor of Science in Business Administration – BSBA, Information Systems   May 2023
Minors: Finance & Psychology | Department GPA: 3.8/4.0

SKILLS

Languages:	SQL, Python (PySpark, Pandas, NumPy), Java, HTML, JavaScript, DAX
Tools/Platforms:	PostgreSQL, MySQL, Azure, AWS, Databricks, Power BI, Docker, Terraform, Jira

EXPERIENCE

Arbella Insurance Group   *Quincy, MA*

Information Technology Business Analyst II   Sep 2024 – Present

- Spearhead **data engineering** initiative as a developer and independently create end-to-end pipelines to extract and prepare network data for dashboards to monitor performance trends and service-level agreement compliance.
- Develop **ETL** scripts to ingest and transform data from numerous vendor APIs using **Python** and **SQL**.
- Conduct **data modeling** in designing and implementing databases for analytics in **Microsoft SQL Server**.
- Orchestrate batch jobs to routinely run pipelines to save time and increase team efficiency through **automation**.

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.
- Thoroughly represented **100+ releases** and produced a **56% increase** in timely approvals and an **85% increase** in correctly scoped submissions, streamlining the approval process and significantly increasing release efficiency.
- Wrote and optimized **Oracle** database queries used by new APIs to support enterprise business applications.
- 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 a 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

- Modeled a shipment tracking application on Bubble.io and created use cases diagrams and scenarios with **Visio**.
- Prepared a database in **MySQL** with views, triggers, audit tables, and a **Microsoft Access** connection via **ODBC**.

E-Commerce Site & Database   Sep 2022 – May 2023

- Constructed a coffee shop website in **HTML** with customer accounts in **Java** and an **Apache Derby** database.
- Implemented an interactive shopping cart with **JavaScript** and supported the user experience with a **CSS** file.