Alexander Bean

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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 | Major GPA: 3.8/4.0

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 **58%** increase in timely approvals and an **81%** 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