

# Ashton “Bayley” Horton

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## EXPERIENCE

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### Infosys

Seattle, WA

### Associate Software Engineer

June 2022 – July 2023

- Completed Hadoop Capstone Project – Hive table creations, joins, views, indexing, partitioning (static and dynamic) bucketing, table sampling, etc
- Completed Spark Capstone Project – Set up, stored data via HDFS, worked with Spark Core and created RDDs, performed operations on RDDs saving output into HDFS, converted RDDs to DataFrames to perform tasks on data, used Spark SQL to sort, aggregate data, loaded DataFrame into Hive table and performed Spark query on top of Hive table
- Completed Big Data Stream Training – Completed courses in Python, Unix, Hadoop, Hive, MapReduce programming, Advanced SQL, NoSQL, HBase, MongoDB, Spark Core and SQL, passed Python and Unix certification assessments, completed Infosys Certified Spark Associate certification
- Amazon Web Services (AWS) course work on general Cloud Architecture, Lambda, EC2, S3 Storage
- Successfully built ETL pipelines via Informatica software
- Completed Engineer Training Courses: Presentation Skills, Understanding Body Language, Database Management System, MongoDB Developer, Programming using Object-Oriented (OOP) Java, Spark Framework, Essentials of Cloud Computing, Advanced Python Concepts, Completed Introduction courses in Unix, NoSQL databases

## EDUCATION

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Auburn University, Harbert College of Business

Auburn, AL

*Bachelor of Science in Business Administration*

2016 - 2020

Major: Information Systems Management Focus: Cybersecurity

## SKILLS & COURSES

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**OSS for Business Analytics** – Linux (Ubuntu), web programming using PHP, RDBMS using MySQL, data visualization using D3.js, and big data analytics using Spark (PySpark) in Databricks

**Personal Computer Application** – Microsoft Windows, Microsoft Word, Excel, Access, PowerPoint, and SharePoint

**Database Management Systems** – Database design in MongoDB. Wrote queries in SQL to access data in a relational database and created Entity-Relationship Diagram for database design. NoSQL with HBase

**Application Development with Emerging Technology** – Outlined and developed algorithms, flowcharts, pseudocode, and program logic and used to write programs in Python with Jupyter Notebooks

**Predictive Modeling** – Predictive modeling in R to solve real problems in Business Analytics

**Big Data** – Hadoop distributed data storage and processing framework using Hive, MapReduce. Spark (Scala, SQL, Python). Gephi to visualize and analyze graphs, KNIME to visually create data flows, and Tableau to create interactive data visualization.

**Programming Languages** – Python, Java, Scala, Unix, Shell, Bash, JavaScript, SQL, NoSQL, R, PHP, HTML, CSS

## CERTIFICATIONS

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Microsoft Office Specialist Certification in Excel and Excel – Expert

Pega Certified Business Architect

Ethical Leadership Certification

Infosys Certified Spark Associate