**MILAN BAROT**

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# SUMMARY

Data Engineer experienced with enterprise databases, data warehouse management and query languages as well as working across different stages of data pipeline. Adept in working quickly and efficiently in close collaboration with analytic, engineering, and other stake holders

# EDUCATION

**WASHINGTON UNIVERSITY OF SCIENCE & TECHNOLOGY**, Vienna, VA ***March 2022*** Bachelor of Science in Information Technology in Software Engineering

Coursework: Project Management, Numerical Analysis, Business Communication, Information Technology  
Management, Principles of Management, Computer Security Fundamentals, Software Engineering, Software  
Project Management, Software Construction, Marketing Strategies, E-Marketing

**CITY UNIVERSITY OF NEW YORK**, New York, NY ***December 2018***

Associates in Applied Science in Computer Information Systems

Coursework: Web Programming, Database Management Systems, Telecommunication Networks, Multimedia Programming, UNIX, Discrete Structures, Object Oriented Programming with Java

# WORK EXPERIENCE

**CBRE,** Dallas, TX, ***Jul 2021 – current***

Data Engineer

*Skills: SQL, Python, Snowflake, PostgreSQL, Jenkins, Docker, Confluence, JIRA, Excel, Postman API, Office365*

* Created and maintained optimal data pipeline architecture.
* Assembled large, complex data sets that meet functional / non-functional business requirements.
* Identified, designed, and implemented internal process improvements: automating manual processes, optimizing data delivery, re-designing infrastructure for greater scalability, etc.
* Built the infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of data sources using SQL and cloud database technologies.
* Worked on JIRA Agile projects such as creating Scrum/Kanban boards.
* Used Python as programming Language, Snowflake as the database storage, Mesos to manage the Azure cloud infrastructure, Jenkins for Continuous integration and deployment.
* Used Python as a programming language to facilitate file downloading in different formats from multiple sources.
* Worked with stakeholders including the Executive, Product, Data and Design teams to assist with data-related technical issues and supported their data infrastructure needs.
* Kept our data separated and secure across national boundaries through multiple data centers and regions.
* Worked with data and analytics experts to strive for greater functionality in our data systems.
* Developed best practices for database design and development activities.
* Ability to quickly analyze existing SQL code and make improvements to enhance performance, taking advantage of new SQL features, close security gaps, and increase robustness and maintainability of the code.
* Took on technical leadership responsibilities of database projects across various scrum teams
* Managed exploratory data analysis to support database and dashboard development

**Mollissoft Inc.,** El Segundo, CA ***November 2020 – July 2021***

SQL Developer

*Skills: T-SQL, SSIS, SSRS, MS Office, SQL Server 2019, Visual studio 2019*

* Assemble large, complex data sets that meet functional / non-functional business requirements.
* Analyzing and organizing raw data, and improving performance of T-SQL stored procedures
* Identifying, designing, and implementing internal process improvements: automating manual-processes, optimizing data delivery, re-designing infrastructure for greater scalability, etc.

**AmNet Services,** Fairfield, NJ ***April 2019 – October 2020***

Radio Frequency Field Engineer

* Working directly with senior RF engineer to monitor and record cell site signal strength.
* Made 911 calls to ensure all information is reaching the correct E911 call center.
* Drive testing of sites following the re-home of E911 circuits.
* Performed site surveys and in-depth walkthroughs.
* Assisted senior RF engineer in cell site troubleshooting. (Dropped calls, poor coverage, and overloaded circuits).
* Indulged in E911 Sprint project and Massive MIMO Nokia project.

# Borough of Manhattan Community College, CUNY, New York *June 2018 - February 2019*

College Assistant

* Duties included scanning, photocopying, responding, updating and maintaining handbooks and materials for distribution. Operating computers, computer software and other electronic equipment in performing the assigned tasks. Providing assistance to students and administrative staff.

**SKILLS & INTERESTS**

Data: Programming Languages:

MS SQL Server 2016/2019 SQL/T-SQL, PostgreSQL, Python,

Visual Studio 2016/2016 JavaScript, HTML, CSS

Microsoft Visio SSRS, SSIS, SSAS Tools:

Data Pipeline & Workflow Management GIT, JENKINS, JIRA, CONFLUENCE

Data Architecture/Data Assembling

ETL Pipelines Cloud:

Data Infrastructure Development AWS, Azure

Technical Documentation