

Brian R. Bagdasarian

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Technical Experience

In Production		In Academics	In Personal & Experimental Projects
Scala	Akka, Apache Spark		gRPC
JavaScript	ES6+, node.js		gRPC
Java		Java 8	
Infrastructure & Platform	Docker, Kubernetes, Terraform, Jenkins, git		Prometheus, Loki, Grafana, Istio
Data Transport, Query & Storage	Microsoft SQL Server, MySQL, NATS, Snowflake, S3, Redshift, Redis, Delta Lake	MongoDB	Apache Kafka, Apache Hudi, Apache Hive, Presto, MinIO, Rook, Apache Drill
Cloud	Amazon Web Services, Microsoft Azure, DigitalOcean	Google Cloud Platform	
Productivity	Microsoft Office, Microsoft PowerBI, JetBrains IDEs, Atlassian Platform, GitHub	GSuite	Jupyter Notebooks
Operating System	macOS, Linux (Debian-based), Windows 7+		

Open Source

[ahappypie/sol](https://github.com/ahappypie/sol)

Kubernetes reference architecture using CNCF tools

[ahappypie/unica](https://github.com/ahappypie/unica)

Generate unique identifiers at high scale. Based on Twitter's Snowflake project

[ahappypie/marschat](https://github.com/ahappypie/marschat)

API for sending messages based on Earth-Mars light delay

[ahappypie/spotter](https://github.com/ahappypie/spotter)

Experiments with Spark, Kafka, Avro, Schema Registry, Hudi and others

Education

New York University

Gallatin School of Individualized Study

Courant Institute of Mathematics

Graduated Fall 2016

BA, Politics & Data Science

Joint Minor, Computer Science & Mathematics

Experience

Cosm – Senior Data Engineer

September 2021 – Present

Building data systems powering next generation live experiences

Nativo Inc. – Big Data Engineer

January 2020 – September 2021

Responsible for new streaming data architecture for 5+ TB of new data per day using transactional data lake

Managing data warehouse of 150+ TB

Regent, L.P. – Data Engineer

July 2018 – December 2019

Restoring companies to profitability with cloud native technologies

Engineering data platform for shared services on Kubernetes and Apache Spark

Responsible for maintenance of Snowflake data warehouse

Planned and executed retail platform migration

FIJI Water LLC - Data Engineer

April 2017 – May 2018

Architected and developed ETL pipeline and data warehouse using Azure Blob Storage, Apache Spark and SQL Server

Automated reporting with and trained teams on Power BI

Contributed to cross-business initiatives

FIJI Water LLC - Sales Analyst Intern

Summer 2016

Developed analytics pipeline in SQL Server & Power BI

Consulted on contract management system in SharePoint

The Wonderful Company - Sourcing Intern

Summer 2015

Consulted on weekly reporting system with SharePoint & SQL Server

Supported Recruiting team in daily activities

BlueLine Grid - Software Engineer

February 2014 - September 2014

Supported iOS app deployment, developed backend systems with Akka