Brian R. Bagdasarian

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Technical Experience

In Production		In Academics	In Personal & Experimental Projects
Scala	Akka, Apache Spark, gRPC, Avro		
JavaScript/TypeScript	ES6+, node.js, gRPC, Avro		
Java		Java 8	
Infrastructure & Platform	Docker, Kubernetes, Pulumi, Terraform, git, Prometheus, Loki, Grafana, Tailscale		Istio
Data Transport, Query & Storage	Microsoft SQL Server, MySQL, PostgreSQL, NATS, Snowflake, S3, Redshift, Redis, Delta Lake, Redpanda	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, Windows 7+		

Open Source

ahappypie/sol
Kubernetes reference architecture using CNCF tools

ahappypie/marschat
API for sending messages based on Earth-Mars light delay

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

ahappypie/spotter
Experiments with Spark, Kafka, Avro, Schema Registry, Hudi and others

Education

New York University	Graduated Fall 2016
Gallatin School of Individualized Study	BA, Politics & Data Science
Courant Institute of Mathematics	Joint Minor, Computer Science & Mathematics

Experience

Cosm – Senior Data Engineer   September 2021 – Present
Building data systems powering next generation
immersive 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