Technical Experience

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| --- | --- | --- | --- | --- |
| 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

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| --- | --- |
| [ahappypie/sol](https://github.com/ahappypie/sol)  Kubernetes reference architecture using CNCF tools | [ahappypie/marschat](https://github.com/ahappypie/marschat)  API for sending messages based on Earth-Mars light delay |
| [ahappypie/unica](https://github.com/ahappypie/unica)  Generate unique identifiers at high scale. Based on Twitter's Snowflake project | [ahappypie/spotter](https://github.com/ahappypie/spotter)  Experiments with Spark, Kafka, Avro, Schema Registry, Hudi and others |

Education

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| --- | --- |
| 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

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| --- | --- |
| Cosm – Senior Data Engineer  Building data systems powering next generation immersive experiences | September 2021 – Present |
| 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  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 | July 2018 – December 2019 |
| FIJI Water LLC - Data Engineer  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 | April 2017 – May 2018 |
| FIJI Water LLC - Sales Analyst Intern  Developed analytics pipeline in SQL Server & Power BI  Consulted on contract management system in SharePoint | Summer 2016 |
| The Wonderful Company - Sourcing Intern  Consulted on weekly reporting system with SharePoint & SQL Server  Supported Recruiting team in daily activities | Summer 2015 |
| BlueLine Grid - Software Engineer  Supported iOS app deployment, developed backend systems with Akka | February 2014 - September 2014 |