

Gautham Hullikunte

<https://www.linkedin.com/in/gautham-hullikunte-1175569a/>

Chennai, TN, India

+91 8610392664

hgautham93@gmail.com

Summary Professional Software Engineer with **8 years of experience**, specialising in **Data Engineering & Backend Development**. Skilled in building **ETL pipelines, REST APIs and Microservices** using **Java and Python**. Experienced with **cloud platforms (AWS, GCP), distributed systems (Spark, Hadoop), and container orchestration (Docker, Kubernetes)**

Open source / Side project Portfolio: <https://github.com/batcity>

Experience TalentNeuron (Labor Force Analytics Firm) Remote, Chennai, India
Contractor - Senior Software Engineer May 2024 - Mar 2025

- **Automation of Data Processing: Architected an end-to-end solution** reducing a 12-step manual data processing task (millions of records) to a single-click operation using AWS Step Functions, Lambda, AWS Glue & SNS, slashing developer work by 90%
- Developed a **PySpark Data Ingestion Pipeline** for uploading data to multiple databases based on CSV file uploads to designated S3 folders
- **Collaborated with the VP** to create a generic Python-based AWS Lambda function that automates data loading to five different tables based on CSV file uploads to specific S3 folders, this **facilitated data transfer from a recently acquired startup**: <https://www.talentneuron.com/about/newsroom/talentneuron-acquires-hrforecast>
- Implemented a **data alerting system** using Python and Lambda functions, sending SNS alerts to a Teams channel upon arrival of new data in specific S3 folders

Niantic, Inc (AR startup that spun out of Google) Kansas City, USA
Senior Software Engineer June 2022 - June 2023

- Built and maintained Data pipelines using **Golang, Python, Argo workflows, Docker and Kubernetes** for Niantic's Visual Positioning System: <https://lightship.dev/products/vps>
- Wrote an **Apache Beam dataflow using Python** to run validation on millions of records
- Worked with the **GCP cloud platform** - specifically with Spanner, BigQuery, GCS, Dataflow and GKE
- **Led cross-team discussions and authored the high-level design for Niantic's Private VPS** (new enterprise feature for secure, access-controlled AR localization), defining APIs, data pipeline updates, and responsibilities across frontend, backend, and data engineering teams
- Implemented a large scale project that improved the quality of 100K+ points of interest on the Niantic AR map (specifically the data pipeline side of things)
- **Worked on Cost estimates** for a large scale data pipeline run that improved the quality of thousands of points of interest on the Niantic AR map

Cerner (Healthcare tech firm acquired by Oracle) Kansas City, USA
Associate Senior Software Engineer Sep 2018 – May 2022
Software Engineer June 2016 – Sep 2018

- Developed and maintained new **batch and incremental data pipelines** that were highly available, scalable, and reliable using **Java, Apache Crunch** (<https://crunch.apache.org/>)
Hadoop and Oozie
- Improved and maintained an **ETL job** that transfers data from **HDFS to an HBase datastore**
- Developed **REST APIs using an internal Java framework** called beardedom: <https://github.com/cerner/beardedom>
- **Developed an automated SLA monitoring system which ran on Jenkins** that periodically checked if customer results were being updated on time, this helped catch prod issues earlier and saved dev hours by automating cumbersome manual monitoring
- Applied Agile methodologies and wrote maintainable, extensible and well tested code in a team environment, **Mentored and helped onboard** Junior Engineers and Interns

Missouri S&T Rolla, MO, USA
Graduate Teaching Assistant Aug 2015 – May 2016

- Taught two Intro to C++ Programming Labs with a total of 112 Students, Helped students understand course concepts like basic Data structures and Algorithms

Skills

Languages: Java, Python
Data Engineering: Spark (PySpark), Hadoop, MySQL, Spanner, BigQuery
Backend Engineering: REST APIs, Microservices, Spring Boot (Basic)
Cloud: AWS, GCP
Infrastructure: Docker, Kubernetes, Jenkins, Terraform
Other: Github, Unit testing

Projects

- Created a fix for a Bug that was affecting a REST endpoint in elasticsearch (Language: Java)
GitHub link – <https://github.com/elastic/elasticsearch/pull/107188>
- Investigated JVM memory pressure from bulk indexing and refactored a core component to simplify object lifetimes: <https://github.com/opensearch-project/OpenSearch/pull/20454>
- Fixed TypeError in reify when folding sparse arrays in Dask Bags (Language: Python)
Github link - <https://github.com/dask/dask/pull/12103>
- Modified Docker compose up command to respect COMPOSE_REMOVE_ORPHANS environment variable, Github link - <https://github.com/docker/compose/issues/11462>

Education Missouri University of Science and Technology (Rolla, MO, USA) May 2016
M.S. Computer Science
Hindustan University (Chennai, India) May 2014
B.E. Computer Science