

# ANIKET GIRIYALKAR

Greater Chicago Region, Illinois

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## Experience

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### Egen Solutions, Inc.

Senior Software Engineer

Naperville, USA

Oct 2020 – Present

- Engineered deterministic agentic workflows and low-code, drag-and-drop RAG visual canvas interfaces using **TypeScript**, **React**, **Zod**, **Zustand** and **Python(FastApi)** to securely utilizing ingestion, retrieval and other services while safeguarding user data privacy.
- Engineered dual platform capabilities: an execution framework for custom operational workflow skills and a standalone deployment pipeline to publish visual canvas graphs as Model Context Protocol (MCP) tools.
- Designed and orchestrated automated cloud data pipelines utilizing AWS Step Functions, AWS Glue, Lambda, and EventBridge to handle high-throughput, scheduled ingestion layers.
- Engineered a comprehensive Data Quality and Governance framework utilizing dynamic Apache Airflow DAGs to execute automated validation test suites, staging rules in AWS S3 (GitHub controlled) with Redshift lookups and SNS alerting to monitor distributed data quality metrics and guarantee strict SLA compliance across target environments.
- Designed high-availability reporting layers and automated data views in Cognos and Tableau to streamline metric delivery and tracking performance for over 500 active enterprise clients.
- Migrated on-premises HDFS data to cloud Redshift and built scalable batch/streaming pipelines via IICS PowerCenter and Informatica; Engineered reliable ETL pipelines via StreamSets and deployed Standalone Data Collectors for high-throughput ingestion.
- Developed full-stack web software components for locomotive performance tracking using Java, RESTful service APIs, and comprehensive automated test suites to ensure enterprise platform stability.

### Adrich

Software Engineer

Pittsburgh, USA

Aug 2020 – Sep 2020

- Programmed lightweight API integrations and developed real-time processing algorithms to filter, scan, and trigger instant alert payloads based on high-throughput streaming data from IoT-enabled consumption assets.

### Rochester Regional Health

Software Development Engineer Co-op

New York, USA

Jun 2019 – Dec 2019

- Built a responsive web scheduling application utilizing React, Redux, AWS Lambda, and DynamoDB to support complex ambulatory facility scheduling logic and clinic tracking workflows.
- Implemented relational dashboard visualizations and metrics aggregation components to deliver real-time operational feedback signals and query insights directly to clinical system managers.

## Technical Skills

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**Languages:** TypeScript, JavaScript (ES6+), Python, SQL, Java, Scala, HTML5/CSS3

**Frameworks & Libraries:** React, Next.js, Node.js, NestJS, FastAPI, Zustand, Zod, Redux, Pydantic, TailwindCSS

**Databases & Caching:** PostgreSQL, Redis, AWS Redshift, DynamoDB, YugabyteDB, SQLAlchemy, Alembic, Hadoop

**Cloud & DevOps:** AWS, GCP, Kubernetes, Docker, Helm, Apache Airflow, Bitbucket Pipelines, CI/CD, Snyk, Git, REST APIs, Microservices, StreamSets, Kafka

**Certifications:** Google Cloud Certified: Professional Cloud Architect, Professional Data Engineer, Associate Cloud Engineer

## Education

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### Rochester Institute of Technology

Master of Science in Computer Science

Advanced Certificate in Big Data Analytics

New York, USA

Aug 2017 – May 2020

Aug 2017 – Dec 2019

### University of Mumbai

Bachelor of Engineering in Information Technology

Mumbai, India

Aug 2012 – May 2016