

Shreyas Anand

San Diego, CA | shreyas.anandgs@gmail.com | linkedin.com/in/shreyasanandgs

SUMMARY

Senior Software Engineer with 10+ years building distributed data infrastructure and applied GenAI systems in the cloud. Track record of owning complex problems end-to-end, from root cause to resolution, and shipping features safe and reliable enough to run in production. Fluent with AI-assisted development to move faster without cutting corners on quality.

EXPERIENCE

Senior Software Engineer · Teradata

Mar 2022 – Jul 2026

Core contributor on QueryGrid, Teradata's cross-platform query federation engine · San Diego, CA

- Built the next-generation Apache Arrow Flight transport — a columnar, gRPC-based pipeline streaming query results between Teradata and remote systems; owned most of the Java Flight-SQL driver (producer, session and transaction management, JDBC connection pooling, type mapping).
- Built a natural-language-to-SQL service on AWS Lambda and Amazon Bedrock that generates validated, federated Teradata SQL, using RAG and an EXPLAIN-based validation gate to make LLM output safe to run in production; added a Text-to-SQL benchmark harness to measure accuracy, and built the schema-collection pipeline (AWS Step Functions) that feeds the RAG knowledge base.
- Contributed to a multi-cloud automation framework (AWS, Azure, GCP) that provisions and operates QueryGrid behind a single Python CLI — implemented portions of the deploy, upgrade, hibernate/resume, and terminate lifecycle operations across all three cloud adapters, plus test coverage for the automation pipeline.
- Owned end-to-end incident response on enterprise deployments spanning hundreds of nodes, resolving performance bottlenecks and connector failures before customer escalation.

Software Engineer · Teradata

Jun 2019 – Mar 2022

San Diego, CA

- Built a CI/CD analytics dashboard in Datadog from the ground up, starting from vague requirements from execs, engineering managers, and product managers — integrated GitHub, GitLab, Jenkins, SonarQube, and Atlassian Jira to surface build/job pass-fail rates, build duration, test coverage, and ticket status (open/in-progress/closed) across every project.
- Designed a multi-cloud snapshot and restore service using AWS API Gateway, Lambda, Step Functions, CloudFormation, and DynamoDB.
- Built a ServiceNow customer onboarding automation platform using Scripted REST APIs and workflows.

Software Engineer · Preferred Employers Insurance

May 2018 – Jun 2019

San Diego, CA

- Developed RESTful web services on Spring Boot for policyholder account information; maintained ASP.NET and VB SOAP services and built AEM Forms.

Software Engineer, Production Support · Cerner Corporation

May 2016 – Apr 2018

- Root-caused production issues across patient-accounting and medical-necessity applications on Java web services; diagnosed data-corruption issues using audit queries in CCL (Cerner Command Language).

Software Engineering Intern · Analogic Corporation

Jun 2014 – Jan 2015

- Refactored a CT scanner service UI in Java Swing; built tooling to parse and convert DICOM medical image files.

EDUCATION

M.S. Computer Science · University of Texas at Arlington · 2015 · GPA 4.0/4.0

B.E. Information Science · Visvesvaraya Technological University, India · 2011 · GPA 3.7/4.0

TECHNICAL SKILLS

Languages: Java, Python, Go, SQL

Distributed Systems: Apache Arrow / Flight, gRPC, Query Federation, Connection Pooling, High-Throughput Data Transfer

GenAI: Amazon Bedrock, Retrieval-Augmented Generation (RAG), LLM Guardrails, Text-to-SQL

Cloud: AWS (Lambda, Bedrock, Step Functions, API Gateway, CloudFormation, DynamoDB), GCP (Cloud Run), Azure, Docker

Tools: Spring Boot, Jenkins, Datadog, Git, REST APIs, boto3, Agile