

# SANDEEP NAMBURI

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## EDUCATION

The University of Texas at Dallas, Richardson, TX

B.S. in Computer Science, Minor in Data Science (Jonsson Academic Scholar)

December 2020

- Results-driven data architect and software engineer with seven certifications in AWS and Google Cloud; track record of building well-architected large-scale applications to drive breakthrough efficiency

## TECHNICAL SKILLS

**Languages/Technologies:** AWS Cloud, Data Warehousing, Postgres, SQL, NoSQL, Apache Kafka, Security & Federation, Database Design, Python, Java, Linux, Docker, Data Structures, Git

**Certifications:** AWS Data Analytics – Specialty, AWS Security – Specialty, AWS Solutions Architect – Associate, AWS SysOps Admin - Associate, AWS Developer - Associate, AWS Cloud Practitioner, Google Cloud Engineer – QwikLabs

## WORK EXPERIENCE

Amazon Web Services (AWS) | Austin, TX

June 2020 – PRESENT

*Associate Data Architect*

- Implemented a cloud lakehouse and multi-stage data pipeline across 3 different primary data sources using Python, Lake Formation, Athena, Redshift, Kinesis, and QuickSight that resulted in a **30% cost reduction** compared to legacy tools
- Analyzed compression, query run times, system tables, distribution keys, and workload management across a multi-node data warehouse to improve overall query execution times by **over 54%**; implemented Apache **Flink** streaming, Batch ETL with **Spark**, Lambda UDFs, and Redshift ML to fully scale and build new use cases for incoming streams of data
- Run technical enablement sessions for AWS customers to help them transform their businesses; helped multiple Fortune 500 implement well-architected analytics infrastructures in AWS cloud

Capital One | Plano, TX

August 2019 – December 2019

*Software Engineer Intern*

- Co-developed a customer service tool to compare insurance policy JSON data in a dynamic grid-like webpage; built with **AngularJS**, **Java**, and NoSQL DB (**DynamoDB** + **DynamoDB Streams**)
- Attained a strong knowledge of AWS technologies including **Kinesis**, **Elasticache**, **Lambda**, **EC2**, **SQS**, **SNS**, and **SWF**

USAA | Plano, TX

May 2018 – August 2019

*Software Engineer Intern*

- Integrated **Apache Kafka** to existing pipeline to increase data-ingestion speeds by up to **54%**
- Collected**, **cleansed**, and **modeled** both structured and unstructured data to visualize department-wide unit-testing practices

## PROJECTS & AWARDS

Flyo | Sabre Hackathon, Las Vegas, NV (1<sup>st</sup> Place)

July 2017

- Developed an Alexa application that utilizes the Sabre and Twilio APIs to find the cheapest flight prices to a given destination based on a specific date

Built with: *Alexa Skills Kit, Amazon RDS, Amazon ElastiCache, AWS Lambda, NodeJS*

iRelief | Johns Hopkins Hackathon, Baltimore, MD (1<sup>st</sup> Place)

September 2019

- Developed a dynamic, cross-platform application to aid hurricane relief efforts using an in-app social networking engine, peer-to-peer location sharing, and an active web-scraping tool

Built with: *Google Cloud API, React Native, NodeJS, Express, HTML/CSS*

## LEADERSHIP

Gathr | Co-Founder & Software Engineer

June 2020 – PRESENT

- A modern tool in BETA that is trying to redefine the candidate experience in recruiting

HackersUTD | Co-Founder & President

August 2017 – December 2020

- Recruited and lead a team of officers to conduct workshops and promote hackathons across campus