SAHIL KUMAR
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SUMMARY

Software Engineer with a strong knowledge of developing solutions in the Cloud, Full-Stack Development, Data Engineering, and a well-versed understanding of many different system design architectures. Certified in all three major cloud providers and worked with a breadth of technology through professional work and personal projects. Specializing in all types of work relating to big data including data architecture, data engineering, and backend engineering. Always open to learning new programming languages, technologies, and types of software engineering.

PROFESSIONAL EXPERIENCE

Cap Tech – Chicago, IL
Manager Software Consultant   May 2025 - Present

Worked primarily as a data engineer on an incredibly fast paced machine learning project as well as a data engineer for a food service client on a data platform project. Lead the design and implementation of key components such as live data ingestion, backfilling historical data, and inference pipeline on the machine learning project. Also, backfilled for a senior engineer on the data platform project where I was onboarded quickly and then took over mentoring a junior engineer on the project.

- As a data engineer for a manufacturing client, worked on a predictive machine learning project for the client where four models were created to predict four different types of failures that could occur with the machinery. The model was able to predict each failure with up to 85% accuracy and save the client countless resources managing these failures manually. Technologies included Python, SQL, Databricks, Azure, ADX, Cosmos, and Azure Devops suite.
- As a data engineer for the food service client, worked on key pipelines that would ingest, transform and host data for downstream teams to use. Also assisted with SQL pipelines to deliver certain insights that business analysts on other teams needed. The data hosted for downstream teams powers many different types of applications for the company, and the dbt pipelines save the data analysts days to weeks of processing fresh data for their dashboards. Technologies included Python, SQL, Databricks, AWS, and dbt/dbt Cloud.

TELESIGN - REMOTE
SENIOR SOFTWARE ENGINEER   August 2024 - March 2025
Software Engineer   June 2022 - August 2024

Worked primarily as a data engineer and sometimes a backend engineer on Digital Identity products that had a goal of making the internet and technology as a whole a safer place. Worked to not only implement solutions but design and architect them as well**.** Also helped with streamlining developer efficiency using custom makefiles to utilize, documented workflows and pipeline run book, as well as mentoring younger developers and newer team members on best practices and debugging issues in their development process.

- As a leader of features and projects, worked with PMs and different engineering teams to collaborate on requirements for products and dependencies from other teams. Compromised with other teams, drew up architecture diagrams, wrote up user stories, and mapped them out onto a project plan timeline to give upper-management insight into timelines and work that was needed. Technologies included, Jira, DrawIO, Miro, Confluence.
- As a data engineer, worked on building real-time (100M events/day) and batch data pipelines (up to 1B records per job) that ingested, transformed, enriched, and hashed PII data before loading into either data lakes to be used by downstream ML teams, data warehouses for analytics, or databases to be used in applications. Technologies include Python, Apache Spark, AWS Glue, Batch jobs, Kinesis Data Streams, S3, Lambda, Step functions, Terraform, Redis, Postgres, Snowflake, AWS.
- As a backend engineer, worked on implementing security (authentication and authorization), building endpoints for querying data from both a database and data warehouse, and supporting asynchronously running background tasks. Technologies include Python, Django, Fast API, SqlAlchemy, Celery, Kubernetes, AWS, Postgres, Okta, Snowflake, Redis, Terraform.

Cap Tech – Chicago, IL
Senior Software Consultant   August 2021 - June 2022

Engaged in a variety of team-based client projects utilizing a myriad of tech stacks. Lead client meetings on architectural and tactical discussions of the products. Served as a technology lead on certain cases, teaching team members new technologies and taking ownership of the major development features of the platforms. Helped mentor some of the less experienced developers on the projects. In addition, served as a manager internally to a younger employee involving career development guidance, facilitating feedback received, and conducting mid-year/year-end reviews.

- Worked as a backend engineer for a financial tech company on their debit card mobile application. The application was written in Typescript Node Js and deployed on Kubernetes in GCP. Used GKE, Typescript, Javascript, Postgres Cloud SQL, Prometheus, Grafana, Jenkins, Unit tests, and Integration tests.

Software Consultant   August 2019-August 2021

- Created live data feeds from data hosted in an Azure SQL database and streamlined the Microsoft suite processes using Advanced SQL scripting and Sharepoint web parts coded in React.
- Worked as a full-stack developer for a major financial institution utilizing a server-less micro-service architecture incorporated with an advanced DevOps practice. Used AWS, Vue, NodeJS, Spring Boot, Docker, Python, and Jenkins.

EDUCATION

Ohio State University, School of Engineering   August 2015 - May 2019
Bachelor of Science in Computer Science Engineering; Minor in Mathematics

WEBSITE: https://skumar1129.github.io/