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**SUMMARY AND WEBSITE**

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**Software and data engineer experienced in Cloud and data-driven applications with strong understanding of many different architectural patterns and system designs. Open to working with and learning new technologies not included in past projects.**

**Website:** <https://skumar1129.github.io/>

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**PROFESSIONAL EXPERIENCE**

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**Cap Tech – Chicago, IL**

**Senior 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 the 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 project was completed, from nothing to delivered results, in only three months with less than ideal developer experience due to using a VDI and the company's lack of tools set up for it. 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. Technologies included Python, SQL, Databricks, AWS, and dBt/dBt Cloud.

**TELESIGN - REMOTE**

**Software Engineer**

June 2022 - March 2025

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.

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**EDUCATION**

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**Ohio State University, School of Engineering**

May 2019

*Bachelor of Science in Computer Science Engineering; Minor in Mathematics*

**Recipient of Provost and National Buckeye merit scholarships all 4 years**

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**CERTIFICATIONS**

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- GCP Professional Cloud Architect, AWS Machine Learning Specialty, AWS Certified Solutions Architect - Associate, Microsoft Certified: Azure Developer Associate, AWS Certified Developer - Associate, GCP Associate Cloud Engineer