

Kenneth Anshewitz

Founder at Utilyze.ai | San Antonio, Texas | 210-634-3001

SUMMARY

Spent the last year building Utilyze, an analytics and payments startup, focused on utility end customers. We paused operations due to financial constraints and the length of utility sales cycles, but ended up with several working prototypes.

EXPERIENCE

KUBRA

San Antonio, TX

Corporate Strategy Analyst

Nov 2022 to May 2024

- Worked with leaders on strategies to build, buy, or partner across payments and [machine learning](#) products for utilities.
- Depicted competitive landscapes across water analytics by establishing market share, differentiators, and use cases.
- Leveraged Tableau to produce new dashboards and used SQL and other analytical tools to support business operations.
- Gathered minimum product requirements to accurately prepare business cases and return on investment models.
- Recommended strategy to reduce internal payment processing cost, increase revenue, and capture sustainability trends.
- Combined open banking and payment plan product capabilities to enable new use cases and expand market size.

Fiserv, Inc.

Alpharetta, GA

Product Strategy Analyst

July 2021 to June 2022

- Provided actionable insights to leadership on whether to build, buy, or partner across emerging technology and markets.
- Visualized data in Tableau from Oracle databases to identify trends about various business lines and products.
- Created models to determine addressable and attainable market size for data aggregation and mortgage use cases.
- Evaluated partners for cross-border platform based on reach, integration model, and account-to-account capability.
- Described concepts like buy now pay later, blockchain, and API microservices to leadership via presentations and reports.
- Maintained competitive intel to influence product teams on roadmaps as well as support sales during live deals.

BitChain Research

New York, NY

Creator - Part-time

Oct 2020 to October 2021

- Constructed website to share insights and data on emerging [blockchain technology](#) for retail and institutional investors.
- Engaged a venture capitalist by providing market and project specific analysis leading to actionable recommendations.
- Tracked 15+ blockchain VC portfolios and grouped 300+ tokens into sectors to screen for picks and benchmark metrics.
- Applied APIs and analytics to report on returns, active wallets, transactions, valuation, balances, and total value locked.

Northern Rock, Inc.

Cambridge, MA

Private Equity Intern

May 2019 to Jan 2020

- Executed PE activities at Harvard Innovation Labs by sourcing, modeling, and decking firms ranging from \$5M to \$100M.
- Analyzed investment memos to develop decks and submitted potential firms to the CEO for billion-dollar investors.
- Constructed basic LBO models to sensitize IRR based on capital structure, operating assumptions, and purchase price.
- Assessed value with LBO analysis and EBITDA multiples while maintaining required debt service coverage ratio.

EDUCATION

Florida State University, Tallahassee, FL

Bachelor of Science in Applied Economics and International Affairs

University Honors Program

Bright Futures Scholarship: Granted 75% of tuition and fees annually

AP Scholar with Distinction: Awarded to less than 10% of all AP students

Sampath Valluri

Software Engineer — Applied AI, Machine Learning & Distributed Systems
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SUMMARY

Software engineer with 3+ years building and operating production machine learning systems, with depth in sequence and time-series modeling, rigorous model evaluation, and high-volume pipelines sustaining 50M+ daily events. Currently supporting model-internals research on large language models alongside production AI/ML work.

SKILLS

Modeling & Evaluation: PyTorch, sequence modeling (LSTM/GRU/LayerNorm-LSTM), autoregressive prediction, anomaly detection, gradient boosting, ablation and robustness studies, MLflow experiment tracking, drift monitoring

Data at Scale: Databricks, Apache Spark, Delta Lake, PostgreSQL/pgvector, MongoDB, SQL, embeddings and vector search, streaming event pipelines

Applied AI: LLMs, agentic workflows, RAG, LangChain, LangGraph, tool/function calling, OpenAI and Anthropic APIs, knowledge graphs

Engineering & Infrastructure: Python, Java, C++, SQL, TypeScript; FastAPI, microservices, distributed systems, Docker, Kubernetes, CI/CD, AWS, GCP

EXPERIENCE

Founding Engineer — Utilyze, Inc.

Remote | 2026 – Present

- Runs the large language model arm of Ethos internals capture on RunPod, instrumenting GPT-OSS-20B to record layer-wise hidden-state trajectories across controlled multi-turn evaluation scenarios.
- Produces time-series measurements over model activations, including projection-residual and spectral-entropy metrics against a frozen basis, to detect behavioral drift across conditions and interventions.
- Maintains reproducible capture and analysis pipelines with automated test coverage, enabling consistent comparison across model families and experimental arms.

Software Developer (AI/ML) — Databricks

Remote, USA | Jan 2025 – Present

- Productionized PyTorch and gradient-boosted anomaly-detection models over 50M+ daily security events, reducing false-positive investigation load and measurably improving analyst throughput.
- Owned the full production lifecycle of 8 ML and GenAI services across Docker, Kubernetes, MLflow, CI/CD and drift monitoring, sustaining ~99.5% availability.
- Built low-latency FastAPI inference services sustaining 10K+ requests/second at sub-80ms p99 across four downstream platforms.
- Designed multi-step agentic workflows and LLM/RAG pipelines over 2M+ logs, combining knowledge-graph relationships with vector retrieval to cut time-to-insight by 60%.

Software Developer — Wipro

India | Jan 2022 – Dec 2023

- Developed scalable Python/FastAPI services supporting 5,000+ daily users, with automated GitHub Actions CI/CD reaching 85% test coverage.
- Built early LLM retrieval and RAG workflows using embeddings and document chunking; optimized high-volume SQL Server and MongoDB query paths.

SELECTED PROJECTS

Yeah Hand (Rebelia V2) — Open-Source Robotic Hand Firmware

Feb 2026 – Present

C++ · ESP32 · Persistent State Integrity · Open-Source Contribution

- Contributed C++ firmware implementing power-loss-resilient state persistence via ESP32 NVS with CRC validation, dual-bank A/B safe writes, schema versioning and input validation, preserving calibration and gesture data intact across power cycles.
- Added guided automatic calibration and persistent save/replay across 8 gesture slots while preserving existing stall-detection and torque-safety behavior; incorporated maintainer design feedback through pull-request review.

Next-Note Prediction for Solo-Violin Music Generation

Aug 2024 – Dec 2024

MIDI · RNN/LSTM/GRU · Sequence Modeling · Model Evaluation

- Built an autoregressive next-event prediction system for expressive solo-violin MIDI, representing pitch, timing, velocity and pitch-bend as discrete tokens over continuous performance data.
- Designed and compared 2-layer LSTM, GRU and LayerNorm-LSTM architectures using truncated backpropagation through time, scheduled sampling and gradient clipping.
- Evaluated with perplexity, token accuracy, onset F1, pitch-bend MSE/MAE, entropy, ablation studies and robustness testing; enhanced variants achieved lower perplexity and smoother continuous-parameter behavior than baseline.

EDUCATION

M.S. Computer Science — University of Central Oklahoma

Edmond, OK | Dec 2025