Bapiraju Vamsi Tadikonda

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EXPERIENCE

Software Engineer 2
Warner Bros. Discovery   **January 2023 - Present, Bellevue, WA**
• **Built intelligent media transcoding workflow** that dynamically optimizes content delivery based on asset priority (sponsorship, premarket buzz, dynamic viewership data), projected to save $2M annually in CDN costs while also enhancing user experience.
•**Architected a rule-based, schema-agnostic content validation service** processing 1M+ daily requests across multiple content types, reducing pipeline errors and eliminating the need for manual ingestion error reviews by 60%
• **Developed language code standardization system** handling 50+ language variants (Flemish, Malay, Chinese), eliminating language discrepancies and reducing content ingestion failures by 30% in titles, subtitles, synopses, and actor bios.
• **Engineered scalable ad partner service** to generate video metadata for ad targeting on Max and Discovery+, handling 1M+ daily requests, optimizing message processing to handle peak traffic efficiently.
• **Expanded the Ad Partner service** to support multiple ad server networks and regional ad-targeting requirements, enabling ad targeting for Live Sports, Olympics, CNN News, and Bleacher Report across 70+ countries.
• Redesigned the sync service to introduce transcoding capabilities for lower environment video assets, with enhanced job tracking, streamlining QA testing processes, and optimizing efficiency for new feature integration.
• Developed features and REST APIs in Golang to the content orchestration pipeline that serves the vast content Warner Bros. Discovery produces daily.

Software Engineer Intern
Warner Media, HBO Max   **June 2022 - August 2022, Raleigh, NC**
• Redesigned the IAP Subscription Plan (SKU) service to support cross market purchases and automated price changes of HBO Max subscription plans.
• Restructured the table schemas and indexes in DynamoDB. Optimized the REST APIs resulting in the reduction of DynamoDB reads by 20 times.
• Built a JavaScript based CLI tool to add/update promotions to subscription plans to eliminate the manual effort previously done.

Senior Software Engineer
JPMorgan Chase & Co   **January 2021 - August 2021, Bangalore, India**
• REST API Development - Conceptualized and implemented a new report service layer, delivering to 20 clients, with RESTful APIs for Transaction Cost Analysis (TCA) using Tableau, Flask and NGINX.
• Migrated the pricing information data from on-premises servers to AWS and designed APIs to route the queries accordingly.

Software Engineer
JP Morgan Chase & Co.   **July 2017 - January 2021, Bangalore, India**
• Orchestrated the ingestion of 16 billion daily trade records using Pub-Subs and Kafka streams, seamlessly storing data in KDB (time-series database) and PostgreSQL.
• Spearheaded the design and development of backend APIs in Python and Java, crucial for supporting real-time P&L tracking of SDR products.
• Pioneered a robust Python framework for crafting sophisticated financial chat-bots and real-time trade notifiers, now integral to 60 global sales and trader chat rooms, experiencing a remarkable 200% YoY growth.
• Led collaborative efforts across diverse teams to architect and implement an optimized near real-time data extraction framework, utilizing indexes to streamline trade reconciliations from hourly to daily.

EDUCATION

Master of Computer Science   **Aug 2021 - Dec 2022, Raleigh, NC**
Minor in Data Science • North Carolina State University • GPA: 4.0/4.0

Bachelor of Engineering, Computer Science   **Aug 2013 – Jul 2017, Pilani, India**
BITS Pilani • GPA: 8.38/10.0

SKILLS

Languages: Python, Golang, Java, C, JavaScript, TypeScript, C++, SQL
Software Frameworks & Libraries: Flask, Pandas, Keras, NumPy, NLTK, Selenium, Open MPI, CUDA
Technologies: AWS, Kubernetes, Docker, Kafka, REST, Grafana, Kibana, Launch Darkly, Terraform, NGINX, Tableau, Spark, Hadoop, MapReduce
Databases & Dev Tools: PostgreSQL, MongoDB, DynamoDB, KDB, GIT, SVN, JIRA, PyCharm, IntelliJ, Maven, Jenkins, Linux