Albert Nim

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Technical Skills

- **Languages**: Python, C#, Java, Scala, Perl, HTML, CSS, JavaScript
- **Technologies**: Amazon Web Services (Athena, DynamoDB, Glacier, S3, Secrets, SQS) , bash, git, Microsoft SQL Server, MySQL, Snowflake, Periscope/Sisense, Spark, Docker, Kubernetes

Work Experience and Work Projects

Software Engineer II

ZipRecruiter, Santa Monica, CA   July 2021 - June 2023

- **Features API**
  - Designed and implemented a new REST API service that allows for users to apply different types of services to the jobs they have created under ZipRecruiter
    - Created new revenue avenue for a service that contains hundreds of companies and hundreds of thousands of jobs
- **Upsell 2.0 Invoices**
  - Automated a system of creating invoices for major clients that contain multiple sub orgs, which is projected and designed to scale to millions of jobs within the next few years
  - Process seamlessly delivers invoices worth that contains data about jobs totaling millions of dollars of revenue and thousands of jobs for clients
- **Managed Datasets in Scala**
  - Utilized Scala and Spark to convert MySQL tables to store millions of rows of data as parquet files in AWS S3 and able to be queried in AWS Athena
  - Participated in company-wide process to migrate data to AWS DynamoDB

Associate Software Engineer

Hookit, San Diego, CA   December 2019 - June 2021

- **Media Storage Scalability Improvements**
  - Used C# .NET to process hundreds of terabytes of images/videos to Amazon S3
  - Migrated existing infrastructure to S3 Glacier Storage, reducing monthly AWS storage costs by 50% ○ Built and stored video metadata in Microsoft SQL Server and Snowflake databases
- **Social Media Ingestion -** Facebook, Instagram, TikTok, Twitch, VK, Weibo, Youtube
  - Used C# to programmatically gather user information and files from major social media sites and stored data in Microsoft SQL Server and Snowflake databases
  - For platforms with API services (Facebook, Instagram, Youtube), system utilized provided API keys to programmatically gather user information and metrics
  - For platforms with limited API services (TikTok Video Downloads, Instagram Stories, VK), system utilized scrapers to gather videos files and metrics for analysis
  - Produced and managed the data (500 million plus rows of data) needed to give an individual social media post a monetary value (views, followers, and logo image recognition detection)
- **Task Monitoring Tools**
  - Set up 24-hour e-mail and alerts with Periscope/Sisense for issues with tasks or API providers
    - From 2020 Q1 to 2020 Q3, the number of bugs stemming from improperly set up jobs dropped from 5% to 0.1% of total bug count after increased alerts and tracking and maintained a near-100% uptime for time-sensitive data (Instagram Stories/TikTok)

Education

Georgia Institute of Technology

M.S Computer Science, Machine Learning Specialization   May 2023 - Present

Oregon State University

B.S. Computer Science   June 2016 - June 2018