Siddharth Panda

Software Engineer

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Professional Experience

LinkedIn

Software Engineer, Systems Infrastructure

(May 2024 to Present)

- Working on the Tracking team, which provides a managed platform for instrumentation events.
- Worked on migrating the stream processing system from **Samza** to **Flink**, contributing to the development of parity jobs and ensuring a smooth transition.
- Worked on critical services that processes **~trillion Kafka events / day**, accounting for majority of LinkedIn's traffic.
- Collaborating closely with various infrastructure teams, such as **HDFS, Kafka, Schema Registry** to facilitate the managed platform.

Grab

Software Engineer Intern >> Software Engineer >> Senior Software Engineer
  (May 2021 to Jul 2021)   *(Aug 2021 to Mar 2023)*   *(Apr 2023 to Apr 2024)*

Event Driven Notification System

- Created an event driven notification system using Kafka for post-borrowing journey of lending products. The custom notification strategies increased repayment rate by **+1.2pp**.

Loan Refinancing

- Introduced a new method availing line of credit for DAX partners by restructuring existing loans. Disbursal rate increased by **~S$ 2M**.

Engineering Initiatives

- Re-architected and simplified the auto-deduction flow, reducing the cron time from **~1.5hr to ~20mins**.
- Helped setup CI / CD pipelines for services, reducing the QA regression cycle from **3 days to 1.5 days**.

HighRadius

Software Engineer Intern

(Jul 2020 to Apr 2021)

- Worked on encryption module to store user PII data, and it's integration with cloning framework to move PII data between environments. LPU's cloning time was reduced from **~2hrs to ~5mins.**

Khosla Labs

Software Engineer and ML Intern

(May 2019 to Jul 2019)

- Created a document parser module to scan govt. documents for KYC, and did OCR on it.

Personal Projects

Chess Engine

- Created a chess engine using convolution neural networks, that predicts the best possible chess move
- The model was deployed on a web server with UI, to enable competing with the engine.
- Github Link: https://github.com/Sidray-Infinity/ChessEngine

Dumb TF

- Created a deep learning library from scratch with only numpy as a dependency.
- Benchmarked the library on popular datasets like MNIST, Boston Housing etc.
- Github Link: https://github.com/Sidray-Infinity/DumbTF

Education & Certifications

Bachelor of Technology (CSE)
Kalinga Institute of Industrial Technology
CGPA: 9.17

Skills

Golang, Java, Python, Kafka, MySQL, C++, CI/CD, Bash Scripting, Testing, ElasticSearch, Kubernetes, Docker, Spark, Flink, Airflow, Samza