

Shrey Satpathy

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EDUCATION

GEORGIA TECH

MS IN COMPUTER SCIENCE

August 2018 - May 2021

NC STATE UNIVERSITY

MS AND BS NUCLEAR ENGINEERING

August 2012 - May 2017

LINKS

Personal Website

LinkedIn

COURSEWORK

Reinforcement Learning

Artificial Intelligence for Robotics

Knowledge Based Artificial Intelligence

Software Analysis

Computer Networks

Machine Learning for Trading

Machine Learning

Bayesian Statistics

SKILLS

PROGRAMMING

Languages:

- Python
- C#
- JavaScript
- Java
- L^AT_EX

AI/ML Toolbelt:

- pandas
- numpy
- tensorflow
- pytorch
- sklearn
- scipy
- langchain
- llmaindex
- ray
- dask
- pyspark
- MLFlow

Platform Toolbelt:

- kubernetes
- docker
- all major cloud providers
- Spark
- PostGres
- Cassandra
- Blob storage
- Flask
- FastAPI

Observability Toolbelt:

- Loki (Logs)
- Prometheus (Metrics)
- Grafana (Viz)
- Tempo (Traces)
- OpenSearch / ELK stack

EXPERIENCE

C3 AI | SENIOR PRODUCT MANAGER - AI PLATFORM

August 2023 - Present | Redwood City, CA

- Building a new version of our flagship platform product - AI Studio designed from the ground up to use agents for building full-stack AI applications.
- Launched several 0 -> 1 observability features for developers building on our platform. Infrastructure and application monitoring, alerting, and profiling.
- Brought in vendor (Grafana Labs) for central observability tooling for internal cloud operations thereby saving \$3M in internal R&D and support costs.

C3 AI | STAFF DATA SCIENTIST & INSTRUCTOR

May 2021 - August 2023 | Redwood City, CA

- Delivered workshops, lectures, blogs and instructional content for the ML Platform and the Reliability Product.
- Took responsibility as the ML Tech lead for C3 AI Reliability Product.

OSISOFT | DEVELOPER SUPPORT ENGINEER

September 2017 – May 2021 | San Leandro, CA

- Product Specialist for OSIsoft's developer technologies suite
- Debugging, profiling and analyzing memory dumps from production systems for root cause analysis. (Windbg and Visual Studio debugger)
- Teaching workshops and trainings for customers as well as internal on-boarding.
- Publishing customer-facing documentation regarding known issues and best practices for designing solutions with our software infrastructure.

PROJECTS

Agents in AI Studio | C3 AI

Led R&D, scoping, design and execution of the Agentic experience in AI Studio. Tractable use-cases include: code-generation, root cause analysis of issues, application navigation and documentation search.

Latent Representations of software quality | C3 AI

Designed and led implementation of system for dynamic software analysis using observability data (logs, metrics, traces) during builds to ensure that performance and stability bugs are caught earlier on in the software development lifecycle.

AI in Reliability Engineering | C3 AI

Thought leadership (link) on AI for physical systems. Applied towards modeling degradation of thermal hydraulic flow systems.

Multi-phase Research Lab | NC State

Worked with Dr. Igor Bolotnov on developing capabilities for high-resolution multi-phase computational fluid dynamics methods for Light Water Reactor accident scenarios.