

Thilina Ilangasinghe

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EDUCATION

- **University of Moratuwa** Katubedda, Sri Lanka
Electronic and Telecommunication Engineering *Aug. 2010 – Dec. 2015*

EXPERIENCE

- **LSEG Technology** Malabe, Sri Lanka
Technical Lead *Oct 2021 - Present*
 - **Tensorflow:** TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models. Worked on APIs and performance for training models on Tensor Processing Units (TPU).
 - **Apache Beam:** Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.
- **Lucena Research** Atlanta, GA
Data Scientist *Summer 2012 and 2013*
 - **Portfolio Management:** Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
 - **QuantDesk:** Python backend for a web application used by hedge fund managers for portfolio management.

PROJECTS

- **QuantSoftware Toolkit:** Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization:** Data Visualization of Git Log data using D3 to analyze project trends over time.

PROGRAMMING SKILLS

- **Languages:** Python, C++, Java **Technologies:** AWS, Kafka

CERTIFICATIONS

- **AWS Solutions Architect Associate** (2021-2023)

AWARDS

- **Languages:** Python, C++, Java **Technologies:** AWS, Kafka