

Kondasamy Jayaraman

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EXPERIENCE

- **redBus (Goibibo - MakeMyTrip Group)** Bangalore, India
Sr.SDET *Mar 2017 - Present*
 - **Search & Booking Platform:** TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models.
 - **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.
- **Coursera** Mountain View, CA
Senior Software Engineer *Jan 2014 - Oct 2016*
 - **Notifications:** Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.
 - **Nostos:** Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.
 - **Workflows:** Dataduct an open source workflow framework to create and manage data pipelines leveraging reusable patterns to expedite developer productivity.
 - **Data Collection:** Designed the internal survey and crowd sourcing platform which allowed for creating various tasks for crowd sourcing or embedding surveys across the Coursera platform.
- **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.
- **Georgia Institute of Technology** Atlanta, GA
Research and Teaching Assistant *Jan 2012 - Dec 2013*
 - **Research Assistant - Machine Learning:** Research on machine learning for portfolio hedging and replication algorithms. Modeling low-risk & continuous-return strategies. Developed the python library QSTK.
 - **Teaching Assistant - Computational Investing:** The online course on Coursera, had more than 100,000 students enrolled. It was featured on the 11 Alive News and the Atlanta Journal Constitution. Involved in creating assignment, exams and conducting recitation sessions. Also taught the on-campus version of the course.

TECHNICAL SKILLS

- **Programming languages:** Python, Groovy, Java, SQL
- **Technologies:** AWS, Play, React, Kafka, GCE

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.
- **Recommendation System:** Music and Movie recommender systems using collaborative filtering on public datasets.
- **Mac Setup:** Book that gives step by step instructions on setting up developer environment on Mac OS.

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Master of Science in Computer Science; GPA: 4.00 *Aug. 2012 - Dec. 2013*
- **Birla Institute of Technology and Science** Pilani, India
Bachelor of Engineering in Electrical and Electronics; GPA: 3.66 (9.15/10.0) *Aug. 2008 - July. 2012*