Rockie Yang CV

Personal Information

Name: Youjiang Rockie Yang

Gender: Male

Current Working Place: Stockholm

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Summary

- Organizer, Speaker of KnockData Stockholm > 1300 Members, Stockholm Hadoop User Group > 2100 Members
- Diverse experience in build big data pipeline and machine learning system
- Passionate full stack software engineer with vision and competence to transform business values to implementation with great balance of simplicity, flexibility by maximum utilising open source frameworks.
- Solid skill to combine business and technology with persuasive presentation skill
- Solid expertise to design high performance and reactive software.
- 10+ years software industry experience on varies aspects from product trend analysis, customer requirements analysis, solution analysis, architecture design, team coaching, and customer workshop.
- Have been working in companies with different culture from state own institute, public company to multination company.
- Have been working for different product. Have been leading small/medium/large products entire lifecycle from requirement analysis, architecture design, implementation, customer demonstration. Evolving big mature product from maintenance, evolvement, and revolution.
- Coach experience team from requirement analysis, team setup, architecture design guidance, delivery support.
- Possess expertise in Object-Oriented/Functional analysis/design with Java/Scala/Python/C/C++/Javascript with deep understanding internal
- Familiar with databases include Oracle, MongoDB.
- Led agile team experience as architect, system engineer, product owner and scrum master
- Solution driving and development way of working driving experience Multi culture working experience.
- Fast product evaluation and competitor analysis.

Example Github repos

- [spark-highcharts](#) Visualize big data in spark

- [A simple JSON converter](#)

- [A simple Japanese learning game](#)

- [Teach Kids Programming](#)

Publishment

- 2019 [Spark Window Function](#)
- 2017 [China Air Quality Analysis](#)

Working Experience

Period: 2019/01 – Prsent

Company: H&M xAI

Title: Machine Learning Engineer

Technolgies: `Spark` , `Azure` , `MLFlow` , `Ansible` , `nginx` , `Kubernetes` , `Leanear Programming`

Job Responsibilities:

```
Solution Architecture of Sales Discout

Solution Architecture of Recommendation
```

Period: 2016/12 – 2019/01

Company: Think Big Analytics

Title: Senior Data Engineer

Technolgies: `Hadoop` , `Spark` , `Kafka` , `Jupyterhub` , `Cassandra` , `Keras` , `ELK` , `Zeppelin` , `Jenkins` , `OpenCV` , `REST` , `JSON` , `Linux` , `Ansible` , `KVM` , `RabbitMQ` , `Kerberos`

Job Responsibilities: Help clients build to build end to end big data pipe line. Tuning big data platform to get best perfomance.

Key Projects:

```
Bank Fraud Detection

Data Discovery Platform

Predictivemaintenance

Operational Datalake

Machine learning Model Management

AI Assisted Heart Disease Diagnoses
```

Period: 2014/06 – 2016/11

Company: Ericsson Stockholm

Product: Core Middleware

Title: Lead Developer

Technolgies: `Hadoop` , `Spark` , `ELK` , `Zeppelin` , `Jenkins` , `REST` , `JSON` , `Linux` , `KVM`

Job Responsibilities: Quality focus driver and make effective CI flow

Key Success:

```
Big Data analysis on CI and intelligence verification execution

Create a simple and powerful test framework in Python
to replace the legacy complex test framework

Create effective CI flow in Jenkins to replace wild west existing CI flow

Big Data analytics on roaming and DPI.
```

Period: 2012/04 – 2014/06

Company: Ericsson Karlskrona

Product: Next Generation large-scale fulfilment system

Title: Lead Developer

Technolgies: `Java` , `Spring` , `Maven` , `Zookeeper` , `JMS` , `AKKA` , `Jboss/Glassfish` , `Jenkins` , `MySQL`

Job Responsibilities: Lead for development teams

Key Success:

```
Lead a development team for VoLTE provisioning solution for a US customer.

Development for coarse grained provisioning
```

Period: 2009.08 – 2012.04

Company: Ericsson Shanghai R&D

Product: Mature large-scale fulfilment system

Title: System Manager

Technolgies: `Java` , `Spring` , `Maven` , `JMS` , `Jetty` , `Jenkins` , `Oracle` , `Linux`

Job Responsibilities: Identifying technical requirement on the system base on the business needs and opportunity and come up with system solution to meet the technical requirement. Defining and driving long-term solution; forecasting on the trend of the product. Taking lead on all aspects of the software lifecycle from initial analysis through implementation, integration, test and support.

Key Success:

```
Lead prototype for high speed, high available and scalable
request control solution. Successfully finished the prototype,
with balance of flexibility and complexiblity.

Evaluated varies workflow system. Driven to choose reuse
solution developed by US branch. Lead cooperation on technical
and way of working. Successfully finished the feature development.

Successfully promoted workflow feature to a customer soon after
implemented.
```

Period: 2006/08-2009/08:

Company: Ericsson Shanghai R&D

Product: Mature large-scale fulfilment system

Title: Architect

Technologies: `Java` , `C++` , `Solaris` , `Glassfish`

Responsibilities: Analysing requirement specifications, searching for information on solutions, specify the detailed design for effective implementation. Formally documenting own designs, handling code versions, SW revision management systems, merging of different source code tracks .Specifying, developing, setting up and maintaining a design environment

Key Success:

```
Successfully transferred architecture knowledge from
development team in sweden.

Coordinate architecture discussions between China and Sweden.

Lead service provisioning solution development as architect.
The solution successfully deployed to few top 10 operators.

Successfully driven unit test code coverage from 0% to 60%.
```

Period: 2005.04 – 2006.08

Company: ZTE Shanghai R&D

Product: Mobile radio network optimisation system.

Title: Senior Software Engineer

Job Responsibilities: Primary designer, designed and built the software that is used to optimise mobile wireless radio network.

Technologies: `SQL Server` , `C++` , `ICE` , `Oracle` , `DB2`

Key Success:

```
Solved performance bottleneck between client and server side
by designed inter-communication solution between client and
server based on ICE.

Designed high speed and comprehensive data importing and
exporting solution.
```

Period: 2001.09 – 2005.04

Company: East China electronic instrument institute

Title: Architect

Product: Microwave noise figure analyse system.

Job Responsibilities: Primary designer. Responsible for whole lifecycle, include architecture design, team leading, task division.

Technologies: Embedded Windows XP, VxWorks, C++

Key Success:

```
Designed CPU board for test instruments. The CPU board have been
widely used many different test instruments.

Lead software design for noise figure analyser whole lifecycle.
From setup source code control system, architecture design,
UI design, algorithm design. The architecture has been using
for bunch of product later.
```

Education

1997/09--2001/07: Xidian University Major in Applied Physics Bachelor

Training & Courses

Year	Course Length	Provider	Course Name
2018	4 Weeks	deeplearning.ai	Convolutional Neural Networks
2018	2 Weeks	deeplearning.ai	Structure Machine Learning
2018	3 Weeks	deeplearning.ai	Improving Deep Neural Network
2018	4 Weeks	deeplearning.ai	Neural Network and Deep Learning
2017	3 Days	Teradata	Databricks Spark Programming - Spark 105
2017	4 Weeks	Coursera	Big Data Analysis with Scala and Spark
2016	3 Weeks	EDX	BerkeleyX: CS105x Introduction to Apache Spark
2014	12 Weeks	Coursera	Computer Networks
2013	12 Weeks	Coursera	Machine Learning @ Coursera
2013	7 Weeks	Coursera	Principles of Reactive Programming
2012	7 Weeks	Coursera	Functional Programming Principle in Scala
2010	2 Days	Bethelik	Win-Win Communication Skill
2009	2 Days	Odd-E	Scrum Master
2008	2 Days	Cross-Ways	Cross Culture Communication by
2007	5 Days	IBM	Rational OOAD
2007	5 Days	Oracle	Oracle Administration

Talks

- 2019/06/27 Open Big Data Achitecture

- 2019/05/16 AI Assisted Disease Diagnose @ Antler

- 2019/01/16 Modern Data Science from 10,000 Feet Overview

- 2018/11/01 0 to Understand Deep Learning in 90 Minutes with 3 Use Cases

- 2018/06/14 End to End Continuous Integration Intelligence @ KnockData event at IDA, Copenhagen

- 2018/06/07 0 to Understand Deep Learning in 90 Minutes with 3 Interesting Cases @ KnockData event at Volvo Group, Gothenburg

- 2018/05/03 Technical Debt in Machine Learning System @ KnockData event at Telenor

- 2018/04/19 Model Tracking with Analytics in Mind @ KnockData event at FooCafe

- 2017/11/02 Big Data Analytics with Apache Spark @ KnockData event at FooCafe

- 2017/09/21 Big Data Visualization with Spark @ IPExpo Stockholm

- 2017/06/12 Data Lakes Driven By Kylo: Unparalleled Speed to Market @ Spotify

- 2017/04/26 Spark Visualization with Highcharts @ IPExpoManchester

- 2017/04/06 Build the simplest data pipeline @ KnockData event at Bannerflow, Recorded webcast

- 2017/01/30 Spark Visualization with Highcharts @ Data Science Day Copenhagen

- 2016/11/03 Data Visualisation for Spark @ Big Data Stockholm Meetup

- 2016/09/15 Jenkins meets Spark: building a continuous integration intelligence @ Spark Stokholm at Ooyala

- 2016/06/07 Sparking big data with Spark at Ericsson, Recorded Webcast

- 2015/12/03 Development environment made easy

- 2015/11/22 Create impressive slides with impressjs

- 2015/11/12 Create a virtualised Kanban board in 28 hours in Hackathon