Sam, Wang Shusen

Dover Crescent, Singapore | (+65) 91725865 | shusonwang@gmail.com | SPR

Experience

Interim Data Scientist | Mar/2019 - Present

Tookitaki, Singapore

- Lead and build data ETL execution and validation engine using PySpark, Hive and parcels on Cloudera Platform
- Perform data wrangling, visualized exploration using Matplotlib, Seaborn to generate data quality report
- Engage unsupervised methodology of transaction anomaly detection and pipeline implementation using Spark MLlib

Snr. Software Engineer | Mar/2018 – Feb/2019

Anti-Money Laundry Suite (http://tiny.cc/tkamls/)   *Tookitaki, Singapore*

- Design and develop new features for an inhouse data science platform using AngularJS
- Lead and build single page application AMLS using React eco-system frameworks by setting up frontend project standard and guideline.
- Engage model explainability visualization using chart, graph libraries: recharts, D3.js etc.
- Write RESTful API for AMLS using Spring Boot, Spring Data with HBase via Apache Phoenix
- Experience with Git, Scrum Project Management, EC2 on AWS
- Setup CI/CD process to ensure qualified development and rapid delivery using Jenkins pipeline

Snr. Software Engineer | Jan/2015 – Feb/2018

Cloud Service Hub (https://cloudservicehub.fujixerox.com/)   *Fuji Xerox Software Center, Singapore*

- Lead and develop JavaScript application running in Printer's Embedded Web Browser as key developer
- Lead and build OSGi plugins integrating cloud services Google Drive API, Dropbox API, etc. on Geronimo server using Java stack technologies.
- Implement OAuth2 services with JWT on an Auth platform FX Direct
- Engage Intelligent Document Workflow implementation of cloud service webhook

Software Engineer | Sept/2013 – Dec/2014

License One (https://licence1.business.gov.sg/)   *Crimson Logic, Singapore*

- Develop web-based application using Java and JavaScript: Spring MVC, Hibernate, jQuery, Bootstrap
- Write and debug rules using IBM Operational Decision Manager for business license advisor module

Technical Consultant | Aug/2011 – Jul/2012

Boost Solution Co., China

- Proactively communicate and collaborate with Sales/Marketing team and vendors for requirements gathering

- Deliver original product design and prototype using mock-up UI with ASP.NET
- Provide technical support and troubleshooting of software and hardware for customers

InfoSec Engineer | Apr/2010 – Aug/2011

Hua An Bao Info Comm, China

- Maintain network hardware security in layer 2 and 3 devices including port filtering, VPN authentication, mac filtering etc.
- Engage firewall rules management by static packet inspection, stateful session inspection
- Apply regulation routine checking and reporting

Education

Master of Technology in Knowledge Engineering | Jan/2018 – Present

National University of Singapore

Graduate Diploma in System Analysis | Aug/2012 – Jul/2013

National University of Singapore

Bachelor's Degree in Information Science | Sept/2006 – Jul/2010

China Agricultural University

Skills & Abilities

Programming Languages
- Java, JavaScript, Python, Bash, SQL, HTML, CSS

Web Application Frameworks and Libraries
- Spring Boot, React, Angular, Flask, BeautifulSoup

Big data and Database
- MySQL, MongoDB, Hive, HBase
- Hadoop, Spark, Kafka

Machine Learning Tools and Libraries
- Scikit Learn, Keras, Gensim, NLTK, Pillow,

Others
- Agile Project Management, OOAD, AWS DevOps, Git, Jira, Jenkins, Kali Linux Pentesting

References

- GitHub: https://github.com/shuson
- Website: https://nevermoi.com
- Kaggle: https://www.kaggle.com/nevermoi