

Jia Rong Wu

Solutions Architect

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https://jiarongwu.com

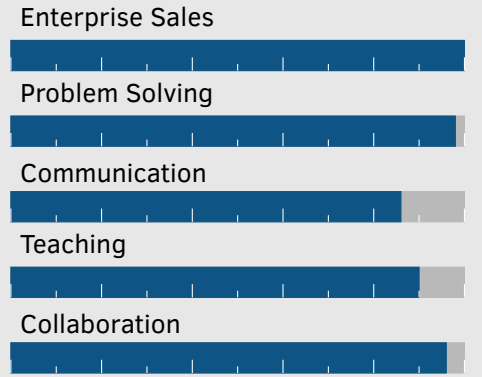
https://github.com/JRWu

https://www.linkedin.com/in/jia-rong-wu/

About Me

I am a software engineer and academic. I have been writing software for over a decade starting with Java, analyzing data with R/Python, and most recently GoLang. Throughout my career, I've built startups from the ground-up, taught at academic institutions, and closed strategic deals for enterprises.

Skills



Programming Languages

- Python
- R
- GoLang
- Java

Frameworks

- Tensorflow
- PyTorch
- *nix systems

Tools

- Git
- Kubernetes
- Hubspot

Experience

Tyk Technologies	Solutions Architect	From 09/2021
<ul style="list-style-type: none">Solutionize, support, and close strategic deals in complex sales cyclesGenerate \$2M+ ARR by closing deals through technical consultations and demonstrationsDevelop innovative software & demo solutions to support sales effortsCollaborate with cross functional teams to prioritize revenue-generating features		
AUSPRE	Co-Founder	02/2019 - 09/2021
<ul style="list-style-type: none">Spearheaded the development and deployment of efficient ETL data pipelinesTrained end-to-end Transformer models for speaker diarization and speech-to-text workflows using TensorflowSecured funding through delivering pitches and writing grants, enabling business growth		
Eighty8 Ventures	Full Stack Developer	01/2017 - 02/2019
<ul style="list-style-type: none">Engineered robust microservices using Python, PHP and MySQL, powered by ReactJSImplemented algorithms to solve complex technical issues and optimized code for performance improvementsCollaborated with stakeholders in an Agile development environment, consistently meeting and beating project deadlines		
Western University	Software Developer	05/2015 - 06/2016
<ul style="list-style-type: none">Optimized data analysis pipelines, achieving speed performance enhancements of over 200%Co-authored multiple peer-reviewed publications regarding compositional data analysisPresented at global research conferences such as International Society for Computational Biology		

Education

Waterloo University	Ph.D. Candidate in Computer Science (ABD)	2018 - 2022
<i>Applications of AI in Proteomics</i>		
Waterloo University	M.Sc. Mathematics	2016 - 2018
Computer Science		
Western University	B.Sc. Honours Computational Biochemistry	2012 - 2016
Computer Science		

Certifications

2023	Certified Kubernetes Application Developer
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Publications

2021	Finding the centre: corrections for asymmetry in high-throughput sequencing datasets
2016	It's all relative: Analyzing microbiome data as compositions
2016	Expanding the UniFrac Toolbox
2016	Tu1712 Comparison of Intestinal Microbiome Between Non-Alcoholic Fatty Liver Disease and Healthy Controls Using Two Analytical Approaches