

Yueleng (Alan) Wang

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Skills

- JavaScript | TypeScript | React | Redux | Java | Spring Boot | Python | Scala | Racket/Lisp | MS Azure SQL | NoSQL | Node | jQuery | Git
- Azure | Cloud Computing | CI/CD | Mockito | Jest | Unit Testing | Meili Search | Functional Programming | OOP
- Algorithms | System Design | Microservices | Frontend | Backend | Full Stack | Mathematics & Statistics | English, Mandarin

Experience

Full Stack Software Engineer Infosys Canada *Toronto, ON, Canada* **10/2022 - Present**

- Led the design and development of multiple enterprise-level microservice applications of [Risk Products](#), driving \$40 millions of revenue every year using the latest technologies of **Azure, Java, Spring Boot, MS Azure SQL, React, Typescript**.
- Designed and implemented scalable APIs and background workers for staging table data monitoring and all kinds of business related scheduled jobs using **Spring, Spring Boot, Redis** and **Azure Managed SQL DB** that serve complex and various business logics.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Integrated Meili Search into backend service as well as frontend application to support **tens of millions** documents search to support insurance fraud claims use cases and won big customers which consists of half of the revenue (\$20 million revenue).
- Enriched system metrics by integrating the platforms with **Datadog**, facilitated in-depth logging of errors and performance metrics.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Frontend Software Engineer PwC US - Shanghai AC *Shanghai, China* **07/2021 - 09/2022**

- Implemented enterprise application of PwC's most revenue-yielding SaaS platform using **React, Typescript, Ag Grid, D3, Survey JS**.
- Designed and developed highly reusable react components and custom hooks based on deep understanding of business and careful abstraction, to support up to **50 clients' (including Google, MacDonalds, Walmart, etc.) custom needs** while keeping complexity increase controllable.
- Deeply customized Ag Grid with our customized CSS and customized cell rendering and aggregations to support different kinds of table data presentation.
- Imbedded and customized Survey JS to support user-defined widgets and logic to meet clients' varying and even ridiculous needs on survey behaviors and delivered with satisfaction.
- Engineered multiple D3 charts (including bar chart, donut chart, world map, scatter charts, etc.) to show different data rendering effect.

Full Stack Software Engineer Korah Limited *Toronto, ON, Canada* **12/2017 - 11/2020**

- Designed and implemented enterprise chat-bot applications for Immigrations, Refugees and Citizenship Canada by **React, PHP, MySQL**.
- Abstracted and delicately implemented tree-structure conversation flow to make continuous conversation possible.
- Developed a proxy server by Node.js with Express to integrate chat-bot with services of Azure AI Bot Service, Axiom, LiveChat, etc., which expanded our use cases and our customers **from hundreds to thousands**.

Education

Master of Science University of Windsor *Windsor, ON, Canada* **09/2015 - 07/2017**

- Major in Statistics

Master of Science Chalmers Institute of Technology *Gothenburg, Sweden* **08/2012 - 12/2014**

- Major in Computational Mathematics

Bachelor of Engineering Chang' An University *Xi'an, Shaanxi, China* **08/2008 - 07/2012**

- Major in Automobile Engineering

Mentorship

- Inside Firm Sharing:** Constantly share knowledge on best practice of implementation, git message and collaboration, unit testing, abstraction and complexity growth control, etc, within Team (around 40 developers) and across team in organization (10 teams)
- Computer Science Courses Tutor:** Programming | Data Structure and Algorithms | Code Collaboration | Best Practice