

Hanpeng Wang


Software engineer with 3 years experience in developing robust business systems and web applications. Interested in building complex system and solving large scale problems.

Always open to technical challenging projects and motivating environments

Contact

portfolio.wanghanpeng.ca |  

 hanpeng.wang.career@gmail.com

 902-989-0855

 Toronto, ON M5H 3M7

Employment

Software Engineer | Morningstar | Mar-2021 to Present

 Toronto, Ontario

As a member of delivery squad of DBRS Morningstar, participating in full SDLC for credit ratings delivery to customers

Squad owns dbrs.com and its backend services, [ratings feed APIs](#), [RatingsNow](#) and other utility tools


- Maintaining and adding new features to dbrs.com and its server APIs. Also Apps for supporting credit tech ops including database syncing, Elasticsearch syncing, internal CMS etc.
- Architecting and implementing new services and critical modules for larger projects, including a replatformed RatingsNow data transform layer that's parallel, configurable and roughly O(1) running time regardless input scale, a few services for highly available and fast ratings delivery experience
- Migrating and modernizing apps include legacy server to serverless, containerization, disaster recovery migration
- Building tools for reliable and fast-iterated products, example includes monitoring, notifications, CI/CD pipelines, service discovery
- Regularly conducting code reviews, leading some design sessions and new project presentations,

Mentoring new graduate and intern developers from both project architectural and lower level implementation perspective

Tech Stack Python, Angular, Node.js, .Net Core, AWS(Lambda, ECS, RDS Etc.), Elasticsearch, Redis, Directus CMS


Serverless Framework/Terraform, Jenkins/Teamcity, NewRelic etc.

Solutions Developer | Citco Group Limited | Nov-2020 to Feb-2021

 Halifax, Nova Scotia

- Developed serverless services for hedge fund back office operations, Implemented complex business logics into maintainable and readable modules. Regularly discussed and analyzed vague requirements from functional/business team

Software Developer | IBM (GBS) | Sep-2019 to Oct-2020

 Halifax, Nova Scotia

- With 5 other developers, completed an internal web App for Halifax Office project showcase and team collaboration
30% web UI development and 70% server API development(including user management/auth, email feeds and bluepages sync etc.)
- Adhoc project from a Canadian Bank where proposed a chatbot solution that digests SOP workflow and simplify cash reconciliation
Approached to integrate NLP from watson studio for a more intelligent user experience
- Spent 2 months on a financial system project. Tasks included fixing defects, adding Junit tests and implementing adapter services on a producer-consumer architecture


Tech Stack Node.js, React.js, Java(Spring Boot), Kafka, CouchDB, Oracle

Relevant Undergraduate Jobs

- Summer Research Developer | Saint Mary's Econ. Depart. | 6 Months
Implemented an econometrical model ([Draft Version](#)) in R and C++ and the model was introduced in the supervisor's [research](#)
Optimized multiple areas for faster running time and less memory space, as well as reusability on augmented datasets
- Co-op Student | CNOOC (Nexen Energy) @ Calgary | 12 Months
Developed several tools for automating financial analysis and internal auditing work
Contributed to data analytics initiatives of applying statistical models for predicting expenses and tracking unusual business activities
Acted like a 'mini' product manager, promoted projects and digged internal demands, regularly hosted presentations/discussions
- Summer Research Assistant | Saint Mary's Fin. Depart. | 4 Months
Wrote web crawlers for public financial statements and extract info. from PDFs, and the final stage was to reorder raw data

Education

Bachelor's degree - General Studies GPA:3.6 | Saint Mary's University | Graduated 2019

 Halifax, Nova Scotia

(Studied Finance and Maths but switched to a more flexible program in the last year)