Moin Ahmed Qidwai

Hong Kong | moinqidw@connect.hku.hk | +852-59388740 | https://www.moin-qidwai.me/

Professional Summary

Full Stack Engineer at Credit Suisse, with strong fundamentals in front-end and financial markets.

- **Engineered** the library used by the team for automated deployments, **decreasing operational burden by 80%**.
- **Optimized** testing, build and asset publication pipelines to reduce **execution times by up to 67%.**
- **Automated** bulk document generation leading to **increase in efficiency** of up to **53% per week.**
- **Designed self-service user-interface** for data extraction **reducing support burden** by up to **40% per week.**

Work Experience

Credit Suisse, Hong Kong | Senior Software Engineer | Derivatives Solutions | 10/2018 – Present

- **Remodeled** the securitization service enabling additional issuance of products worth **$6 Billion+ in notional**.
- **Refactored 500+** flaky tests to **reduce intermittent test failures** by an average of **82% daily**.
- **Awarded volunteer of the month** for **directing 28 people** across the organization with over **80 beneficiaries**.
- **Championed** the **Semi-Finalist** team in Credit Suisse Hackathon **ranking among the top 5%**.

Goldman Sachs, Hong Kong | Software Engineer | Equities Sales Tech | 07/2016 – 10/2018

- **Architected** coverage management application **lowering costs** by magnitude of up to 1**5 full time employees**.
- **Developed** a commission analytics application that was **voted the best application by sales**.
- **Collaborated** across teams to develop an ideation platform used by **over 10 teams to drive innovation**.

Education and Qualifications

Chinese University of Hong Kong, Master of Science – Part Time (Computer Science), Graduating 2023

Advanced Artificial Intelligence, Distributed State Management, Computational Finance

University of Hong Kong, Bachelor of Engineering (*Computer Science*), Graduation 2016

Algorithms and Data Structures, Operating Systems, Networks, Database, Artificial Intelligence, Quantum Information

Projects

Fittcode - **Automated health-based data-driven fitness trainer**

- **Created** a React and JavaScript based mobile first progressive web application with Redux and AWS.
- **Acted** as the **business analyst** to translate business complexity for co-founder in another region.
- **Assisted** the team in **structuring data** for future usage in machine learning applications.

Plain Exchange Limited – Currency Exchange Platform

- **Invited** to CUPP Boot-Camp in partnership with **Stanford University** and **Cyberport**.
- **Led** the team in product design and development for a P2P currency exchange platform using **Ionic**.
- **Created** a platform for individual entities to become **market makers** to general public.

Accolades

AngelHack Global Demo Day - Winner

- **Technical lead** of the **winning team** of the AngelHack Global Competition in **Silicon Valley**.
- **Winner** of **Barclays Tech-stars** best Fintech **award** and **500Startups** best startup **award**.
- **Implemented** a **Distributed Network** capable of functioning without internet access within **30 hours**.

Others

- **11/2018 | One of the top solutions globally | JaneStreet Monthly Puzzle**.
- **02/2016 | Ho Wing Hing Talent Fund | University of Hong Kong.**

Languages and Skills

Languages: *English* (*Fluent*), *Urdu (Native), Hindi (Spoken).*

Technical Skills:

Programming Languages: *Javascript, Java (Over 50,000 lines) | C++ (Over 10,000 lines) | Python, Haskell (Over 5,000 lines).*

Database: Oracle XE | My*SQL | PostgreSQL | MongoDB | DynamoDB | ArangoDB | DGraph | Neo4J.*

Frameworks or Libraries: *ReactJS | Redux | Recoil | SpringBoot | Tomcat | Typescript | NodeJS | ExpressJS | NextJS | AngularJS | Material | Scss | Sass | Bootstrap | TailwindCss | Phoenix | Scikit Learn | Tensorflow | Pulumi | Kubernetes | Docker | Splunk | React Testing Library | Cypress | Junit | Mockito | Cucumber | AWS | GCP | Gradle | Maven | Webpack | Elasticsearch | MinIO | Keycloak.*