Software engineer at Tableau Software
5821 Sumas St. Burnaby BC, V5B 2T3
+1(604)7811851 ✉ zhrud21@gmail.com

# Rui Zheng

## WORK EXPERIENCE

### Software Engineer
*Tableau Software Inc.* | Vancouver, BC                    May 2018 – Current

- Developing BI projects using machine learning studies, which received endorsements from 8 distinct customers in an hour at GSKO (**Java, C++, Python and JS**)
- Proactively involved in early adoptions of new technologies e.g. microservices, Kubernates, enzyme and etc. into day-to-day production (**Java, docker/K8S, JS**)
- Migrated new project templates from Teamcity to Gitlab CI, which greatly simplifies config and allows co-workers to iterate faster with more confidence code quality
- Automated legacy tests to reduce effort required by quarterly release signoff from 4+ person-day to less than 1 person-day. Gave tech talk on related topics afterwards
- More frontend work using modern technologies like React/Redux

### Freelancer Developer
Burnaby, BC                    Feb 2018 – Current

- Carted training and ramping up for new hires for previous employer under service contract
- Provided technology and security consultants for various customers

### Full-stack Dev | Frontend Team Lead
*Fortinet Technologies (CA) Ulc.* | Burnaby, BC                    Jan 2016 – Feb 2018

- Coordinated frontend team for Fortinet signature product, with increasing quarter sales of millions USD (**Python, JS, C, SQL**)
- Provided direct feedback to VP, software development and Sr. PM with respect to feasibility, solutions, estimation, progress for ongoing development cycle
- Developed and extends several features including RESTful API, SSO, high availability, proxy authentication, accounting daemon and other Fortinet products
- Took ownership of legacy features and factor them to smaller services in seek of better scalability and performance whilst reducing maintenance cost
- Catered across team presentations to share and propose new technologies, alarm security risk, mitigate gaps of understanding and, sometimes, just have fun.
- Assisted colleagues from other feature, operation, tech support and sales teams to smooth the delivery process of our products and services

### Software Engineer, Intern
*Microsoft Canada* | Vancouver, BC                    May 2015 - Sep 2015

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## EDUCATION

**Bachelor of Computing Science (Dual Concentrations)**

Simon Fraser University | Burnaby, BC                                    Jan 2013 - Dec 2015

## PROJECT EXPERIENCE

**Key driver analysis, Viz recommendations (Java, C++, Python, JS)**

Tableau Software Inc.                                    May 2018 – Present

Participated in pioneering project leveraging recent studies in machine learning and statistics to surface hidden drivers to argument the data analysis process. This feature will help customers transfer data to insights whilst they build up virtualization.

Results: Quickly implemented proof of concept demo in a few months. Overwhelming feedback has been received both internally and externally. With continuous investigation into these features and argument analytics field, Tableau is rated as a dominant leader in Gartner Magic Quadrant for analytics and Business Intelligence Platforms.

**Guest User Management and Authentication Portal (Python, JS, C)**

Fortinet Technologies (CA) Ulc.                                    May 2017 – Present

Implemented robust and sophisticated solutions to manage temporary identity with rich features and wide applications, such like captive portal, SSO, customizable user hub, self-service system and etc.

Results: Sales team pinned 1M+ supplementary order from some US wholesale giant right after release. This feature has also been trusted and deployed all over the world, from academic institutions to global petrol companies, from commercial corporations to governments departments

**Notification Based Two Factor Authentication (iOS, Python, C)**

Fortinet Technologies (CA) Ulc                                    Apr 2016 – Present

Realized backend 2-factor authentication solution based on push notifications to simplify the authentication process by avoid typing random token code

Result: Utilizing with SAML, solution has been deployed to provide centralized single sign-on services for all Fortinet employees and partners across world to access different resources. Some university in Hong Kong also relays on such feature for access control. API and SDK allowing customization is going to be available in 2018 and expected to bring decent sales.

**Live Stream NFL Game Data Scrubbing Service (C#)**

Microsoft | Vancouver                                    Jul 2015 - Aug 2015