

# WILLIE CHEONG

University of Waterloo; B.ASc; Class of 2015

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## SKILLS SUMMARY

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- Ability to analyze software and business issues with eye for technical opportunities
- Experience with building distributed systems for scalability and fast response times
- Attention to detail with a habit for writing clean, readable and testable code
- Technical Experience: Python, Java, PostgreSQL, ElasticSearch, RabbitMQ, Kafka, Flask, ReactJS, AngularJS, Bootstrap, Git, Docker, AWS, NewRelic

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## WORK EXPERIENCE

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### **Sr. Software Engineer**

*Knock CRM, Seattle, WA*

*Aug/2019 – Present*

- Undertook tech leadership of the voice and messaging products, leading efforts through initial scoping, design, breakdown of tasks for sharing across the team
- Ex. projects delivered: Browser Calling (greenfield); Elasticsearch Deprecation (tech debt); Abstraction for multi-vendor setup (operational/cost savings)
- Contributed to the company as its technology team grew from 4 engineers to 35, from monolith application to a distributed stack, from chaotic firefighting to a stable and monitored environment, and customer base from \$700K to over \$10M

### **Software Engineer**

*Knock CRM, Seattle, WA*

*Aug/2017 – Aug/2019*

- Proposed, designed and implemented a Change-Data-Capture (CDC) pipeline to provide improved isolation of systems, efficient data distribution across tech teams
- Designed and developed a plug-and-play web widget chat bot that continues to be marketed and deployed into customer accounts since its initial launch in 2017
- Worked with: Python, ElasticSearch, PostgreSQL, RabbitMQ, Kafka, Debezium, NewRelic, AWS EC2, ECS, RDS, SQS, API-Gateway, Lambda

### **Software Engineer – Fulfillment Management Systems**

*Zulily Inc., Seattle, WA*

*Mar/2016 – Aug/2017*

- Developed a scalable Database-as-a-Service on a cross-team effort to achieve approx. \$2.5MM in additional revenue for every holiday season after launch
- Worked with: Java, PHP, RabbitMQ, MySQL, Debezium, ElasticSearch, Logstash

### **Software Engineering Intern – Fulfillment Management Systems**

*Zulily Inc., Seattle, WA*

*Aug/2014 – Dec/2014*

- Designed and developed a solution that enables very fast retrievals of big data aggregates through the use of SQL triggers to perform data pre-processing

### **Release Management Intern**

*Mozilla Corporation, Mountain View, CA*

*Jan/2014 – Apr/2014*