

# WEI WEN Software Engineer

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## SKILLS

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- **Languages:** Golang, NodeJS, Python, MySQL, PostgreSQL, Cassandra
- **Framework:** Ruby on Rails, Django
- **Technologies:** AWS, Datadog, Nomad, Consul, Kubernetes, Terraform, Elastic Search, Redis, Memcached, SumoLogic

## EXPERIENCE

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### Pubnub, San Francisco, CA

Spring 2019 - Present

#### Software Engineer

- Built an internal Datadog StatsD library and integrated it to Functions services to enable RED metrics and logs monitoring
- Migrated Nomad job scheduling functionality from a Python monolithic app to a micro-service in Golang
- Designed and implemented On-Interval Function – a Lambda-like function executes on interval

### Shippo, San Francisco, CA

Summer 2016 – Spring 2019

#### Software Engineer

- Rebuilt local rating in Golang that serves thousands to millions of requests with enhanced scalability, manageability, reliability
- Defined and implemented a parity test framework that runs ~1 million test cases against a major endpoint refactoring
- Led teams of 2-4 to integrate 4 new carriers into Shippo platform
- Refactored DHL eCommerce manifest service for 10x performance
- Facilitated a track week to integrate 15+ carrier track services
- Refined carrier integration process that shortened the development cycle from 8-10 weeks to within 2-4 weeks

### Uber, San Francisco, CA

Summer 2016

#### Software Engineer at Security R&D

- Redesigned Uber internal authorization process which will impact over 50,000 users
- Designed and implemented performance tests

## PROJECTS

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### Match Local Rate, San Francisco, CA

April 2018 – December 2018

*A micro-service that serves from thousands to millions of rate requests per day*

#### Software Engineer

- Designed architecture for new local rate service
- Implemented new local rate micro-service in Golang with Elastic Search, AWS Lambda and SQS
- Designed performance and parity tests on rate API endpoint to ensure zero downtime during release
- Built internal tools to support new local rate service

### DHL eCommerce Manifest Service Refactor, San Francisco, CA

April 2018 – January 2019

*A refactoring of manifest service that enabled 10X performance*

#### Software Engineer

- Root-caused manifest service performance bottleneck
- Worked closely with product manager and carriers to understand business requirements and technical limitation
- Designed and implemented parallel requests logic to increase number of transactions per manifest from 500 to 5000

### Front Door Library, San Francisco, CA

June 2016

*A lightweight library that tremendously increase the scalability of Uber internal authorization service for exponential growth*

#### Software Engineer

- Designed serialization algorithms in Python to compress membership information to be pushed to various services
- Implemented performance tests (speed and time) on various serialization algorithms
- Wrote serialization module in Go with 100% unit testing coverage
- Integrated a serialization module into membership information updating service

## EDUCATION

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### University of California, Berkeley, Berkeley, CA

May 2015

*Bachelor of Science in Business Administration On IT Entrepreneurship*

#### Relevant courses:

*Entrepreneurship & Innovation, Open Innovation Leveraging IBM Watson, Mobile Applications and Entrepreneurship*