WEI WEN Senior Software Engineer

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SKILLS

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

EXPERIENCE

PubNub, San Francisco, CA   **Spring 2019 - Present**
Senior Software Engineer
- Designed and built a distributed files service to allow users to share files globally utilizing S3 and Cloudfront
- Built an internal Datadog StatsD library that are used by various internal NodeJS services
- Integrated Datadog to Functions services to enable RED metrics and log monitoring for better visibility and reliability
- 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 that 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

Files API, San Francisco, CA   *March* 2020 – August 2020
A microservice that allows users share files globally in real time
Senior software Engineer
- Drove files API architecture design and review
- Implemented files Golang service following Clean architecture and using AWS S3 pre-signed API
- Built terraforms to create/manage AWS S3 buckets and CloudFront resources
- Created helm charts to manage deployment in AWS EKS
- Integrated Datadog to enable RED metrics and log monitoring

Function Scheduler Microservice, San Francisco, CA   **August 2019 – October 2019**
A mocroservice hosts the logic of functions scheduling
Software Engineer
- Decoupled function scheduling logic from portal codebase
- Built a new Golang microservice with increased reliability and visibility
- Created helm charts to manage deployment in AWS EKS
- Integrated with Datadog to enable RED metrics and log monitoring

Match Local Rate, San Francisco, CA   **April 2018 – December 2018**
A microservice 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

EDUCATION

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