Felix(Zheng) Wei

LinkedIn:// felixzhengwei
felixzhengwei@gmail.com | (718)594-4100

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Applied Science/Eng
SYSTEMS DESIGN ENGINEERING
May. 2018

GEORGIA INSTITUTE OF TECHNOLOGY
Master of Computer Science
COMPUTER SCIENCE (ML)
Dec. 2021
Completed part time while working

TECHNICAL SKILLS

LANGUAGES
Go • Python • C++ • Java
BACK-END & CLOUD
API Design • AWS • Kafka
PostgreSQL • DynamoDB
Event Driven Design
FRONT-END
Vue • HTML, CSS & preprocessors
Build Dependency Management

HIGHLIGHTS

• Delivered high quality, value-adding projects in previous positions.
• Extensive experience with agile software development and management.

ADDITIONAL INTERNSHIPS
Software Engineering Intern @ Sequence
Aug 2016 – Dec 2016 | SF, CA
Software Engineering Intern @ Street Context
Jan 2016 – Apr 2016 | Toronto, ON
Software Engineering Intern @ Smart Technologies
May 2015 – Aug 2015 | Calgary, AB

INTERESTS

Basketball • Piano • Ping-Pong
Travel • Singing

PROFESSIONAL EXPERIENCE

GOOGLE | SOFTWARE ENGINEER
Feb 2022 – Present | New York, NY

- Backend engineer on Google Assistant Infrastructure. Developing systems for managing assistant integrations with 1p and 3p apps.
- Designed and lead the migration of many components of a legacy system to a centralized horizontal platform that serves all assistant traffic.
- Designed and implemented various APIs to facilitate apps selection based on user intents.
- Designed and implemented data pipelines for ingesting and serving apps data between the Play Store and client services.
- Designed holistic migration metrics and developed logging and data pipelines to track migration status. Designed and developed traffic dashboards for reporting and troubleshooting, establishing org wide standard on migration policies.
- Development in C++, Java and various other technologies.

COMPASS | SOFTWARE ENGINEER
Sept 2019 – Feb 2022 | New York, NY

- Lead backend engineer on core services platform that manage user data and user discovery. Development primarily done in Go.
- Spearheaded the design and development of various projects related to agent discovery. Launched many consumer facing products that provide agent search and data intelligence capabilities.
- Designed and owned many service and data integration pipelines employing event driven architecture between various teams and stakeholders. Technologies used includes Kafka, SQS, Redis etc.
- Designed and implemented a highly requested self editable profile service for users, enabling profile data editing and tracking. Greatly reducing agent support efforts.
- Took initiative on enhancing service reliability, consistency, data quality as well as increasing code coverage across many high visibility backend services.

GILT GROUPE (HBC DIGITAL) | SOFTWARE ENGINEER
July 2018 – Sept 2019 | New York, NY

- Backend engineer on communications and notifications infrastructure.
- Developed a scalable, fault tolerant message processing system using lambdas, SQS, EC2s that delivers over 40k consumer messages daily with 100% uptime.
- Developed and owned various Chalice and Scala microservices within the AWS ecosystem in the form of Lambdas and EC2s with additional AWS integrations.
- Proposed and spearedheaded the design and development of a serverless web app to view/design/debug consumer emails and messages generated by the pipeline as well as computing pipeline statistics, solving a quality and compliance bottleneck on all external facing communications.

GILT GROUPE | SOFTWARE ENGINEERING INTERN
June 2017 – Sept 2017 | New York, NY

- Owned the design and development of a microservice responsible for data collection for user recommendations using Scala, Slick, and PostgreSQL.
- Designed and implemented product selection algorithm to best facilitate data collection.
- Published blogpost: https://tech.hbc.com/2017-08-30-team-rookie.html