# Jeffrey Fei

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## Languages

Go
Ruby
Python
JavaScript
Java
C++
C

## Frameworks

Rails
Node.js
Vue.js
AngularJS
scikit-learn

## Database

MySQL
PostgreSQL
Redis

## Technologies

Git
Mercurial

# Work Experience

## Shopify
**Developer Intern**                                **Sept 2017 – Jan 2018**

Implemented endpoints for a real time event processing service in Go to manage event multiplexing between Shopify Plus Launchpad enabled shops

Refactored event multiplexer which reduced duplicating customer order events relayed to the clients by over 60%

Prototyped scalable webhooks handler in Rails for Shopify's future product content management application

Designed analytics schema to determine merchant pricing strategy for product content management automation

## SMART Technologies
**Software Developer Intern**                        **Jan 2017 – May 2017**

Architected SMART LAB's web migration and integration to SMART Learning Suite Online which allows users to create LAB activities online

Implemented a new login flow in Vue.js to control user access to premium features based on subscription status

Improved the dialogue system in LAB Player by adding activity type detection in the LAB-C backend to display the status of the running activity

## Dell EMC
**Software Engineering Co-op**                       **May 2016 – Sept 2016**

Streamlined build analytics by processing real time build machine data with Node.js and presented on an online dashboard created using AngularJS

Implemented Python scripts to automate owner reassignment over Coverity by analyzing user activity data from corporate LDAP servers

Automated the import process of Purify dynamic analysis logs to Coverity which enables stack tracing of outstanding memory issues

# Projects

## Share My Notes
**Real time note sharing platform**                  **Nov 2017 – Present**

Created a horizontally scalable note sharing service in Go

Designed and developed load balancing strategy based on real time server status that allows requests to be diverted to servers with less pending jobs

Implemented job buffer for provider server which mitigates performance drops when processing large amounts of client requests

## Kontex
**Trainable extractive summarizer**                  **Nov 2017 – Present**

Implemented automatic feature extractions on sentences such as sentence to title similarity and sentence to sentence cohesion

Utilized the extracted sentence features and scikit-learn's Naïve Baye's classifier to train a predictive Machine Learning model