

Frank Shin

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SUMMARY

Born in Korea, raised in the States, and I'm currently a software developer at Freddie Mac maintaining legacy financial applications primarily using Java, Python, and Shell Script. I'm an avid learner, who is interested in many things in life other than just hacking. Currently looking for a junior role in full stack web development.

SKILLS

Languages:

- Java, Python, C, Javascript, Shell Script, Lisp, Go, SQL, JSON

Technologies:

- Linux, Git, Node.js, Docker, Vim, Emacs, SQL Databases, MongoDB, Firebase

Frameworks and Libraries:

- Express, React, React-Native, Redux, Material-UI, Jest, Mocha, Chai

EXPERIENCE

Freddie Mac, Tysons, VA

Developer – IT Generalist I (Jan, 2018 – Present)

- Developed an internal financial application in Python using Oracle Cloud API to process financial data, which saves approx. \$100k/yr.
- Maintained legacy financial applications by adding new features, and deploying bug fixes as required for business functionality
- Rewrote parts of legacy financial Java+Spring applications to remediate security vulnerabilities and performance issues.
- Prepared documentations for production deployments, and maintained non-production Linux boxes.
- Received Above & Beyond Award (Q1, 2019) for delivering a project with limited timeline

SIDE PROJECTS

zal.la (Summer, 2019) – URL Shortener

- Built the front-end client with React with Redux and Material UI, tested using Jest. Built the back-end API server with Express and MongoDB. Pipelined with Docker to build without issue.
- All URL Shorteners are evil. This app allows you to set a word to be your short URL, which expires after 60 minutes of creation. Main goal is to allow users to share links verbally.

Movie Recommender System (Fall, 2017)

- A recommender system written for a project for Data Mining class.
- Trained the recommender system using raw data. Implemented algorithms such as TF-IDF and clustering to analyze document corpus.
- Used numpy and scikit-learn to model relationships between reviews, films, directors, and actors.

gdaw (Spring, 2019) – godoc.org API wrapper library

- A minimal API wrapper library written in Go to fetch data from godoc's API. Primarily worked on it to learn Go.

EDUCATION

George Mason University

B.S., Computer Science, May 2018

Relevant Coursework

Data Structures, Analysis of Algorithms, Operating System, Software Testing, Computer Systems, Artificial Intelligence, Data Mining, Web Development