

## Summary of Qualifications

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- 3 years of experience in designing and developing applications on various types of platforms, especially for the Web.
- Strong problem solving ability developed from working on problems that involved multiple solutions and team discussions.

## Work Experience

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### Software Engineer

Octo

March 2020 - Present

- Added new features and implemented bug fixes for a geospatial search tool.
- Wrote unit, integration, and end-to-end tests to ensure no test regression due to newly written code.
- Used Micrometer API to add metrics to backend services along with Prometheus and Grafana to allow administrators and engineers to better understand metrics among various backend services.
- Implemented and deployed a mock server that mimics ESRI's ArcGIS to help testers to query against mock server in non-production environments.
- Wrote a utility in Golang to index Solr documents for metrics-gathering purposes, and to gauge benefits between nested and flat documents.
- Reviewed pull requests for team members.
- Technologies used: Java, Javascript/Typescript/Node/React, Solr, Git, Docker, Maven, Jenkins, Go, OSGi/Blueprint.

### Developer

Freddie Mac

January 2018 - November 2019

- Developed an internally-used financial application in Python using Oracle Cloud API to automate the processing of financial data which saved company \$100,000 annually.
- Maintained legacy financial applications by implementing bug fixes and new features.
- Rewrote parts of legacy applications to remediate security vulnerabilities and performance issues.
- Prepared documentations for production deployments, and led meetings to guide deployment plan.
- Received Above & Beyond Award (Q1, 2019) for successfully delivering a project with limited timeline.
- Technologies used: Java, Python, Struts, Shell Script, SQL, Jenkins.

## Education

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Fairfax, VA

George Mason University

January 2016 - May 2018

- B.S in Computer Science, May 2018.
- Undergraduate Coursework: Operating Systems, Databases, Algorithms, Programming Languages, Comp. Architecture, Data Mining, Software Testing, Artificial Intelligence.

## Side Project and Open Source Contributions

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- **ddf** (2020). Distributed Data Framework. Contributed by giving code reviews and finding bugs and implementing fixes for bugs.
- **zal.la** (2019). Fullstack web application that mimics behavior of a URL shortener, but with 60-minute time limit and words from dictionary. Javascript, React, Redux, Node.js, Express.
- **gdaw** (2019). Golang client for Godoc.org. Go

## Languages and Technologies

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- Java, C, Python, Shell Script, Go, SQL, NoSQL, JavaScript, TypeScript, JSON, XML (XSD) Schema
- Maven, React, Node.js, Express.js, Linux, Vim, Emacs, OSGi, Solr, Spring boot, Struts.