

Matthew Lam

SOFTWARE ENGINEER

Seattle, WA

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Summary

Currently a Software Engineer at F5 Networks. Interested in solving challenging tasks, and learning new technologies.

Work Experience

Software Engineer III

Seattle, WA

2016 - Present

F5 NETWORKS

- Debugging and Fixing customer facing issues in the BIG-IP's LTM and DNS modules.
- Designed and Implemented BIG-IP feature to better manage core files and prevent loss of information necessary to diagnose why the core occurred.
- Performed threat model assessments on new F5 features to ensure secure design of new features.
- Backend development in Python for F5 Bug Tracker <https://support.f5.com/csp/bug-tracker>
- Development of Continuous Integration Pipeline in Python to perform Build, Test, and Integration for maintenance releases.
- Maintenance on Perl script to interact with various apis and generate release notes for BIG-IP maintenance releases.
- Contributed to F5 ansible's bigip_device_dns and bigip_hostname modules.
- Implemented scripts that utilize GDB's Python-API to automate running of necessary commands.
- Mentored Intern and Junior Engineers.

Intern

Seattle, WA

2015 - 2016

F5 NETWORKS

- Web Development using Python-Flask
- Researched security vulnerabilities and how they affect the BIG-IP platform.
- Developed various scripts that interface with Perforce, Bugzilla, and MSSQL in Perl.

Intern

Issaquah, WA

2013 - 2013

GOLDSIM TECHNOLOGY GROUP

- Wrote automated black box tests for the GoldSim software in Test Complete
- Quality Assurance on xLPR V2 Model GUI
- Manual testing of compatibility between models created in GoldSim 10.5 with GoldSim 11

Other Projects

Tekken New Blood

Discord Community Bots

2017 - 2019

DEVELOPER AND ADMIN

- Developed Discord bots for the Tekken New Blood community in Python.

Item Insights

Riot Games API Challenge

2015

DEVELOPER

- Developed a Web App that presents League of Legends players with information on the gold efficiency of their user uploaded item sets using information from the Riot Games API using PHP and Bootstrap.

Valkyrie-WoW

WoW Private Server

2014 - 2015

DEVELOPER

- Wrote and tested scripted raid encounters in C++ and SQL.

Skills

Languages Python, C, Java, Perl, HTML/CSS, JavaScript

Technologies Ansible, Docker, Flask, GDB, Kubernetes, Networking, REST API, Unix

Education

Western Washington University

Bellingham, WA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

2011 - 2015