

ALEX LARSEN

SOFTWARE ENGINEER

EXPERIENCE

Application Security Engineer | Podium

Full & Part-Time | podium.com

March 2021 - Present

- Responsible for bug bounty program, contributed to policy
- Worked with security researchers and reproduced penetration testing reports
- Forked open source SAST tooling and modified to meet needs of team
- Designed and implemented automated job scheduling surrounding mass dependency upgrades and security patches
- Development of novel GraphQL API scanner
- Triaged and assessed security reports
- Worked with development teams to prioritize and patch many vulnerabilities, most often XSS, IDOR, and other

Security Engineering Intern | Podium

3 Months (Summer 2020) | podium.com

June 2020 - August 2020

- Designed and developed novel GraphQL penetration testing tool
- Assisted with security audits using Burpsuite

Software Engineering Intern | Legrand US

1.2 years (full & part-time) | legrand.us

April 2019 - June 2020

- Implemented byte level custom networking protocols
- Developed crucial intercommunicative abilities between two products

Software Engineer | Utah Valley University

1.5 years (part-time) | uvu.edu

December 2018 - May 2020

- Instigated and led meetings with business team to define requirements, prototyped small web application, trained junior colleagues

Quality Engineer | Bluehost

1.4 years | bluehost.com

March 2017 - August 2018

- Tested and deployed customer facing software to clustered production systems

Software Engineer | Techcye

6 months | techcye.org

June 2014 - December 2014

- Developed prototype ML application for medical professionals

Web Application Developer | Discovery Space Center

6 months (part time) | discoveryspacecenter.com

January 2014 - June 2014

Web Development Intern | Morinda Inc.

3 months (Summer 2013) | morinda.com

Web Development Intern | BetterLinux

3 months (Summer 2012) | betterlinux.com

CONTACT

385-626-9739

alarsen0112@gmail.com

github.com/alex0112

SKILLS

Languages

Elixir, Javascript, Ruby, Python, C#, Perl, Lisp

Frameworks & Libraries

Phoenix, React, Ruby on Rails, GraphQL, RSpec, ExUnit, WinForms, DevExpress, Bootstrap, JQuery

Database Technology

MySQL, PostgreSQL, SQLite, ActiveRecord

Methods:

Agile/Scrum, TDD, BDD

Tools:

Git, GitHub, GitLab, Subversion, CVS, TFS, Linux (Debian, Ubuntu, Fedora, Manjaro, CentOS), Heroku, AWS, Digital Ocean, FreeBSD, MacOS, Windows, Visual Studio, Emacs, Bash, Zsh

Security:

Wireshark, Burpsuite, Nmap, HackerOne, Salus

VOLUNTEER WORK

President (uvudevclub.org)

UVU Dev Club | December 2018 - Present

- Coordinated hackathons and presentations on campus
- Presented on Javascript, version control, and application security

Full Time Volunteer

The Church of Jesus Christ of Latter Day Saints | 2015 - 2017

- Migrated legacy map software data to cloud infrastructure
- Worked 60+ hour weeks presenting curriculum, volunteering in community service, mentoring junior colleagues, and leading groups of 6-8 volunteers

EDUCATION

August 2018 - Present (Part-Time)

Pursuing Bachelor of Science in Computer Engineering

Notable Grades:

Data Structures & Algorithms: A

Object Oriented Programming: A

Computer Networks I: A-