Alexander K. Atwater

**Software Engineer focused on backend web-engineering
and deploying scalable web services with high availability.**

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EDUCATION

Rochester Institute of Technology, Rochester, NY
B.S., Honors Software Engineering - May 2020
Communication Minor - 3.87 GPA

RELEVANT EXPERIENCE

Apple Inc., Cupertino, CA — *Safari Operations & Tools*

January 2018 - July 2018 + January 2019 - August 2019 (15 months)

- Designed, developed, and deployed full stack internal web application to increase visibility of large-scale operational tasks which reduced operational overhead, improved team communication, and helped triage and prioritize bugs.
- Cross-discipline collaboration on web tools used to visualize test results over time in efforts to reduce browser fingerprinting vulnerabilities based on unique device attributes.
- Brought command line tools to a responsive web application, cutting down previously manual tasks from 15h/week to 1h/week.
- Orchestrated deployment of three different CMSs using Ansible, Docker and Docker Compose to minimize operational overhead.

Voya Financial, Windsor, CT — *Application Developer*

May 2017 - August 2017 (4 months)

- Lead developer on internal application aimed at simplifying and consolidating financial disclosure text shared across multiple lines of business with role-based permissions.
- Utilization of Microsoft technologies including ASP.NET MVC, MS SQL Server, Active Directory, and IIS using secure, on-premises servers for deployment.
- Full application life-cycle of requirements gathering, designing, developing, acceptance testing, and deployment to users using agile.

Rediker Software, Hampden, MA — *Application Developer*

November 2015 - August 2016 (10 months)

- Full-stack engineer on Django application that streamlined teacher evaluations including administrative review and standardized state reporting.
- Wrote comprehensive unit tests for the REST API that were built against Jenkins.
- Developed an internal web app that integrated with Microsoft Dynamics CRM that expanded shorthand product codes into readable text for sales/support representatives.
- Developed scripts that analyzed and generated easy to read and actionable reports from Azure server utilization and customer feedback metrics for senior management.

PROJECTS

Whatzur — *Django Web Application*

- Social network built in Django aimed at consolidating online accounts accessible via a web interface or REST API.
- Utilizes Docker for consistency through development, continuous integration, and deployment on AWS.
- Leverages Docker Swarm container orchestration, Traefik reverse proxy load balancer, and AWS load balancers for high scalability and infrastructure-as-code development.

SKILLS

Python, Java, C#, JavaScript, HTML, CSS, C, Ruby, Perl, Objective-C

Django, Flask, Docker, ReactJS, Redis, Buildbot, Postgres, MongoDB, Ansible, Microsoft Technologies, Web Technologies, AWS, Tableau

RECOGNITION

RIT Honors Program

RIT Dean's List

Vice President at RIT Society of Software Engineers

RIT Excellence in Student Life Award

RIT Outstanding Undergraduate Scholar

EXTRA CURRICULAR

RIT Society of Software Engineers

Volunteerism

RIT Docker Ambassador

RIT Software Engineering Teaching Assistant

Undergraduate Adaptive Software Research