

MARC BROWN

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SUMMARY

Aspiring software engineer with over three years of experience through internships at Red Hat and LexisNexis. Proficient in Java, Python, JavaScript, and Golang, with a background in Agile methodologies and test-driven development. Familiar with AWS and Azure, and knowledgeable in data manipulation languages. Excels in team settings drawing on strong communication skills while actively seeking opportunities for mentorship.

EDUCATION

Bachelor of Science in Computer Science
Shaw University GPA 4.0 / 4.0
08/2021 - 05/2025 Raleigh, NC

COURSES

Programming II	Web Page Design II
Data Structure & Algorithms	Software Engineering
Ethical Hacking	Malware Analysis

CERTIFICATION

Red Hat Certified Specialist in Containers July 2024
Skilled in containerization concepts, including the creation, management, and troubleshooting of containers and applications with Podman. Proficient in building custom container images and deploying both single and multi-container applications.

EXPERIENCE

Security Analyst Intern
College Foundation Inc
05/2024 - 08/2024 Raleigh, United States

- Automated security tasks with Python, including whitelist updates, proxy server management, and IP address updates for firewalls.
- Conducted research and presented IDS/IPS solutions and their coverage with Splunk integration.

Software Engineer Intern
Red Hat
06/2024 - 08/2024 Raleigh, United States

- Created user-friendly documentation and scripts to simplify the setup of the HyperShift Operator, making it easier for new team members to onboard.
- Separated the scheduler from the HyperShift Operator to simplify the project and improve system management by removing AWS-specific scaling solutions.
- Contributed to the development of an API to support cluster-autoscaler flags for better scaling customization.

Software Engineer Intern
Red Hat
05/2023 - 08/2023 Remote

- Implemented the pd-balanced disk type option for Google Cloud Platform (GCP) deployments, which reduced costs and enhanced performance for Red Hat customers.
- Collaborated in an Agile development environment, utilizing JIRA for effective task management.
- Resolved a bug that ensures the correct INFO log is generated during the creation of the 'agent-config-template' for the OCP Installer Agent team.

Information Security Analyst Intern
LexisNexis
06/2022 - 10/2022 Raleigh, United States

- Collected and analyzed security tool data, creating a Python script to automate data retrieval and load it into a database, enhancing efficiency.
- Set up an AWS environment with Infrastructure as Code to simplify deployments and visualized processed data using Redash.

PROJECTS

Real-time AI/ML with WebGPU
08/2024 - Present Raleigh, United States

Investigating and creating a method for real-time AI and machine learning on edge devices with WebGPU. This strategy utilizes the GPU power of web browsers to enable tasks such as image recognition and natural language processing on laptops, tablets, and smartphones.

SKILLS

Programming Languages
Java, Python, Javascript, Golang

Data Manipulation Languages
MySQL, postgresql

Cloud Platforms
AWS, Azure, GCP, Firebase

Operating Systems
Linux, Windows

Web/App Development
HTML, React, React Native, Nextjs, CSS, Tailwind CSS

Tools
Git, Jira

AWARDS

Shaw University Presidential Award
2021-2024

LEADERSHIP PROGRAMS

Center for Financial Advancement 08/2024 - Present
Ambassador/Mentor

Wellness 4 All Student 01/2022 - Present
Ambassador

University Innovation Fellows 08/2022 - Present
Fellow

Level the Playing Field 08/2022 - 05/2023
Fellow

COMMUNITY INVOLVEMENT

2022 ShawU 5k Cancer Run
Shaw University
04/2022

2022 Triangle Heart Walk
American Heart Association
09/2022