TYLER GAUTNEY

INTERIM SECRET CLEARANCE

CONTACT

740 Plummer Rd NW
Apt 7036
Huntsville, AL
35806-3882
256.740.2829
tgautney7399@codedragon.dev
https://codedragon.dev

EDUCATION

BACHELORS • JAN 2025

Western Governors University
Salt Lake City, Utah

Bachelor of Science,
Computer Science

KEY SKILLS

C++
Java
Python
Technical Writing
Networking (OSI Model)
Linux
Learner
Problem Solver
Ideation

INTERESTS

Literature
Linux
Homelab
Electronics and Raspberry Pi
Travel

OBJECTIVE

Proficient Software Test Engineer with a strong background in software development and automation. At Parry Labs, I leveraged my expertise in C++, Python, and Java to develop an API to expose the company's FACE-conformant TSS messaging bus to Python – facilitating the creation of automated tests. The tool also significantly streamlined the development of unit tests, making them easier and faster to create while also reducing their complexity, thereby enhancing extensibility and maintainability of unit tests. The C++ library is generated using the Apache Velocity Java-based template engine. It features a translation layer in pure C++ to translate FACE calls and complex data types into simple data types and calls. The translation layer is then exposed to Python via a Pybind11 binding layer. Additionally, I designed and developed a full-stack test report web application that provided a user-friendly frontend to my team's existing data reporting and documentation tools, thereby enhancing efficiency and accuracy in data management. I am eager to bring my technical expertise and innovative problem-solving skills to a Software Engineering role, where I can contribute to cutting-edge projects and drive technical advancements.

HOBBIES

Open Source Software
Development

Open Source Software
Documentation

Management of local network
infrastructure using pfSense+ on
Netgate network edge appliance –
enhancing overall network security,
performance, reliability, and flexibility
over traditional consumer hardware

Administration of a personal cloud
network and IoT hub using RHEL
9.4, replacing traditional big tech
cloud services to enhance data
privacy and control

EXPERIENCE

INTEGRATION AND TEST ENGINEER • MAY 2023 – PRES.

Parry Labs • Huntsville, AL

- Designed software testing methodology
- Devised software testing procedures
- Managed defect tracking and resolution procedures
- Developed software to facilitate automation and increased productivity
- Facilitated integration of developed software into production-ready RHEL OS images, ensuring seamless deployment for customer use
- Configured and customized production operating system environments to meet system requirements and client specifications
- Developed and executed installation and integration procedures for software on fully integrated RHEL systems
- Facilitated timely and accurate creation of documentation in accordance with organizational CCB process

CYBER CAMP COUNSELOR • MAY 2022 – JULY 2022

US Space & Rocket Center • Huntsville, AL

Led students through various camp activities and programs.
- Taught fundamental computer science and cyber security concepts to students
- Aided in the configuration of the Linux-based Cyber Camp lab environment to improve reliability and performance of the lab experience for students

RETAIL TECHNICIAN • JUNE 2019 – AUG 2019; AUG 2021 – NOV 2021

Batteries Plus Bulbs • Florence, AL

Cultivated and maintained customer relationships and performed store administrative services with an emphasis on promoting sales, supporting business operations, and leveraging battery and lighting technology expertise to provide professional advice.
- Provided technical support
- Conducted comprehensive diagnostic and repair services for customer PEDs