Charis Grubb

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Ambitious Software Engineer focused on gaining experience and knowledge in developing secure, solid, reliable software solutions to assist in solving business problems. Skilled in utilizing Software Development for process improvements, cost savings, insightful reporting, and foundational stability.
Goal is to continue to learn and to grow while solving complex problems as a well-respected Software Architect.

Projects

Sensor Command Center August 2024 - Present:
A microservices solution for connecting to and reading multiple types of sensors (temperature, motion, etc). This solution allows user to connect and read sensor data points or manually push those data points through an API endpoint. It also offers alerting, reporting, and GUI Dashboard.
https://github.com/CharisGrubb/SensorCommandCenter

ATS-OperationDS October 2023
Assisted in Red Team service catalog automation utilizing Atomic Red Team open-source software suite. This automation project significantly reduced workload on red team members and supported consistent and repeatable Security Control Validation of images utilized on over 3000 endpoints in the Enterprise Environment. This saved 10 labor hours a week combined with a 20% increase in accuracy and consistency.

DSAR In-house December 2023
Assisted in bringing Privacy DSAR requests form in-house utilizing Service Now platform. This allowed privacy requests to be managed in a simpler and more sustainable way while saving 200k annually.

Metrics and Reporting Automation September 2022
Automated a series of manual tasks and data collection for the Information Security team. This service was able to free 15-20 hours of work a month utilized in creating reports and context. This allowed the team to focus on more meaningful tasks while adding more reliability to the reporting and a clearer trend picture.

Component Inventory Analysis January 2022 - April 2022
Automated a report together that joined several data points together to help predict and better plan for component inventory for the scheduling team. This automation was crucial for schedules to get a better future picture of the inventory. It was able to take existing inventory along with scheduled deliveries of inventory and assign them to specific orders for better planning and coordination of internal and external inventory.

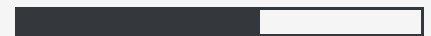**Warehouse Inventory Flow Automation January 2021 - April 2022**
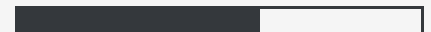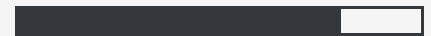
WWW: github.com/CharisGrubb

Skills

- Python
- Java
- Relational Databases: MSSQL/MySQL/Postgres/Oracle/SQL
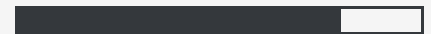- C++/C#/.Net
- API Development: Django/Flask/FastAPI
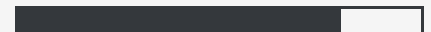- Data Science/Data Analysis/Machine Learning
- ML: Numpy/ Pandas/ Apache Spark/ Delta Lake
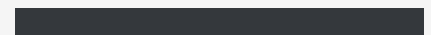- Privacy: DSAR/GPC /CCPA/CPRA
- Pipeline: Git/YAML/CI/CD /Docker/Version Control
- Cyber Security Analysis: SAST/DAST/RASP
- Training/Mentoring

Created and designed a system for the operations team and scheduling team to use that would assist them in the movement of inventory. It assigned specific packages of inventory pieces to ensure First In First Out practices as well as validating that the correct product was used. This system also sent out alerts, assisted inventory going back into the warehouse, and audited the existing warehouse to ensure clean organization and proper flow.

Work History

Senior Information Security Engineer-Automation/Appsec

Aaron's, Atlanta   May 2023 - Current

- Analyzed and guided teams through remediating code vulnerabilities
- Automated manual tasks to free time and reduce company costs by over. Each automation average on a savings of 5 hours per week in labor or roughly $13k in company costs while improving accuracy of the task.
- Mentored other team members in the realm of software development
- Python API and Windows Service integration with Django framework
- Maintained privacy requests automation (DSAR/CCPA /CPRA/GPC) utilizing C# and .Net
- Lead a project to refactor the privacy automation increasing scalability and saving over 200k in company cost.
- Designed and utilized a Star Schema database structure for reporting and analysis

Information Security Engineer -Automation

Aaron's, Atlanta   April 2022 - May 2023

- Automated manual reporting processes utilizing Python back end and Power BI front end saving multiple teams a combined 25 hours per month in labor.
- Designed and implemented Python service complete with database reporting structure and full pipeline.
- Created documentation and SOPs for automation best practices.
- Performed Unit tests to ensure proper functionality of existing privacy automations.

MES Engineer

Therma Tru, Butler   August 2018 - April 2022

- Utilized Inductive Automation's Ignition to create and maintain industrial echo system.
- Used Python/Java scripting combo (Jython) to customize complex pieces of set up and reporting
- Mentored new team members in MES
- Trained users in new functionality prior to and during roll out

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- MES/SCADA
- HTML/Javascript/CSS/PHP
- Data Structures/Algorithms /Agile
- UI/UX
- Unit Testing and Debugging
- Software Design: Scoping/Functional and Non Functional requirements/SOPs /Diagrams and Documentation

Languages

Spanish

Software

Rapid 7

Inductive Automation - Ignition

Forcepoint

Checkmarx

Webinspect

Azure

- Designed new feature to control flow of products through plant and assign components to specific orders. This allowed a cost savings over 100k, as well as improved product flow and cycle counting.
- Worked with ISA-95 Database Structure, Microsoft SQL, and Oracle databases.

Certifications

CertNexus Cyber Secure Coder CertNexus
https://www.credential.net/eb3d6ba3-1756-4cdd-91df-f8a9c8ad5541 August 2024
With this certification, I prove that I have the knowledge and understanding to design and code secure applications in accordance to the Department of Defense Directive 8104.

Education

Certificate in Data Science & Machine Learning   Expected in April 2025
MIT IDSS, Cambridge, MA

- Machine Learning
- Deep Learning
- Recommendation Systems
- Neural Networks
- Predictive Analytics

Associate of Science in Computer Science   August 2020
Ivy Tech, Fort Wayne, IN

- 4.0 GPA

Slack

Nightfall

Microsoft Suite

Service Now