

# Robert Warner

919-609-6526 | robwarner93@gmail.com | [LinkedIn](#)

## Technical Skills

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**Languages:** Golang, Python, SQL, HTML/CSS, Java, C

**Cloud/Backend Technologies:** AWS, Docker, Terraform, YAML, RESTful APIs, PostgreSQL, MySQL, JSON

**Tools:** VS Code, Jira, Jenkins, Git/Github/Gitlab, Kali/Linux, Swagger, Postman, Postico, Tines, Confluence, Qualys

## Experience

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### Cisco Systems | Security Software Engineer

May '23 – October '23

- 1+ years of experience working in an **Agile** environment on the Security Engineering team using **Jira** and **Phab** ticket tracking.
- Operated as SME on (**Python**) legacy tool's automation of large scale cloud and on-prem asset vulnerability management ticketing for over 60+ engineering teams within various business units and product offerings.
- Designed and developed custom components for an asset management solution using **Golang** to deliver MVP features.
- Worked on a secure **CI/CD** pipeline that used Git tag based releases in **GitHub Actions** to production environments deployed via **Terraform** in AWS Cloud.
- Introduced **Swagger** API documentation and presented to stake holders on interactive endpoints for better user experience.
- Wrote SQL scripts and migrations to load/process data and implement feature requests in **PostgreSQL**.
- Tested and debugged endpoint functionality and runtimes using token-based authentication cURL requests in **Postman**.
- Refactored code, wrote unit tests and back end functionality for feature requests, while handling any emergency troubleshooting for bugs in production logging and alerting infrastructure (**AWS Cloudwatch/Docker Service Logs**).
- Documented developer policies for three services, providing centralized knowledge transfer resources within **Confluence**.
- Collaborated effectively with cross-functional teams to evaluate client requirements and develop Product Requirements Documents.
- Technology Stack:** GoLang, Python, HTML/CSS, Linux, Swagger, Jira, GitHub CI/CD, VirtualBox, Jenkins, Github Actions, YAML, REST API, Docker, Terraform, AWS (RDS with PostgreSQL, EC2, Cloudwatch, SNS)

### Cisco - Duo Security | Security Software Engineer Intern

May '22 – May '23

- Developed security software tools for asset vulnerability management from **Qualys** input scans of over 80,000 hosts to ensure FedRAMP compliance and derive Plan Of Action & Milestones from consolidated CISA known vulnerabilities.
- Integrated and tested RESTful APIs that manipulate large scale interdependent databases using technologies like **GoLang**, **Docker**, **AWS**, **PostgreSQL** and **JIRA**.
- Presented project to 100+ faculty members on automated processes between on-premise and SaaS services.

### DICED | Senior Operations Director

September '17 – '19

- Guided hiring, management, and scheduling of over 70+ employees across all 3 business locations to improve efficiency.
- Monitored daily sales and implemented systems that raised profit margins by 5% in a business with over \$2 million GAR.
- Mentored new and old team members through both weekly and monthly executive briefs, as well as one on one discussions to thoroughly engage staff and better understand their goals.

## Education

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### North Carolina State University, Raleigh, NC

Fall '19 – Fall '23

Bachelor of Science in Industrial Engineering | Minor Computer Programming

GPA: 3.8

**Honors:** NHS Member, Dean's List

#### Projects:

##### Drone Swarming (AI Matlab):

- Trained machine learning algorithms for computer visioning used by NIOSH in construction site drone safety monitoring.

##### Compression Manager (Java):

- Implemented compression and decompression algorithms for text files with a variety of data structures.