

# James Wood

## Senior Software Engineer

An experienced programmer with close to a decade of Golang experience and a firm grasp of multiple other languages. Strengths include communication and working well with others, being level-headed, determined, and a strong sense of urgency.



jwooddev@gmail.com



8032420901



San Antonio, TX, United States



jwooddev.info/



linkedin.com/in/james-wood-14500a1a4



github.com/NilPtrDeref

## SKILLS

### Golang



### Google Cloud Platform



### Javascript/Typescript (Svelte)



### Python



### HTML/CSS



### Zig



### C



### Rust



## WORK EXPERIENCE

### Software Engineering Manager

#### Westhill Global

07/2022 - Present

Remote

Westhill is the leading fully-digital managed repair solution connecting insurance carriers, homeowners, and highly-qualified reputable contractors.

#### Achievements/Tasks

- Designed and built the infrastructure from scratch, starting from requirements gathering and ending with an iterable product and documentation
- Rearchitected the system to be more scalable and fault tolerant, consolidating systems to save money while also increasing performance
- Led a team of developers to build both internal and external facing products
- Managed sprint planning and code reviews via Jira and Github

Contact : Anthony Baio - 704-574-2657

### Staff Consultant

#### Elyxor Inc

09/2020 - 07/2022

Remote

Elyxor is a team of software engineering specialists who have spent the past two-plus decades building successful software firms.

#### Achievements/Tasks

- Created a proprietary integration testing framework which provisions whole environments through docker and then allows for the orchestration of command execution within that environment
- Worked with complex build systems to orchestrate a variety of testing and deployment strategies
- Project manager in a client-facing capacity, leading efforts on a project that effected many parts of the organization

Contact : Andy Cowles - andy.cowles@elyxor.com

### Lead Software Developer

#### Soteria LLC

01/2017 - 08/2020

Charleston, SC

Soteria provides security services and solutions like managed detection, penetration testing, and security program development.

#### Achievements/Tasks

- Maintained, managed, and developed a majority of the systems that are used by both internal and external customers
- Implemented the entirety of the CI/CD pipeline and developed the majority of internal automated processes
- Managed and used a host of databases including Postgres, CockroachDB, Mongo, Elasticsearch, and Cassandra in GCP Compute Engine
- Product design and documentation, taking projects from basic ideas to fully fleshed out code repositories in production
- Reverse engineered open source projects in languages like Golang, Python, C, Java, Ruby, and Perl

Contact : Anthony Baio - 704-574-2657

## INTERESTS

---

Microservices

Programming Languages

Kubernetes

System Architecture

Cybersecurity

Rest APIs

Serverless

Spanner (NewSQL)

Infrastructure as Code

Distributed Systems

## WORK EXPERIENCE

---

### Internship Clemson University SOC

02/2016 - 12/2016

Clemson, SC

*The security operations center for Clemson University*

*Achievements/Tasks*

- Monitored the Clemson University network to proactively detect intrusions or unauthorized use
- Built network activity detectors that were used to alert on malicious activity in the network
- Developed workflow automation for myself and fellow employees

Contact : John Hoyt - hoytj@clemson.edu

## ACHIEVEMENTS

---

### Guest speaker at Trident Technical College AITP Chapter Meeting (11/2019)

*Spoke to a group of Programming and Computer Security students about the importance of good programming habits and my experiences so far in the industry*

## PERSONAL PROJECTS

---

### Bgate

- An interactive terminal interface/reader for BibleGateway
- <https://github.com/NilPtrDeref/bgate>

### Gher

- Generic Http Encoding Responder
- <https://github.com/NilPtrDeref/gher>

### 1brc

- My attempt at the one billion row challenge in Golang. I got it down to just ~30s.
- <https://github.com/NilPtrDeref/1brc>

### Data Structures

- Common data structures implemented in Golang
- <https://github.com/NilPtrDeref/data-structures>

### GridWalker

- A toy program that draws a group of walkers on a grid
- <https://github.com/NilPtrDeref/GridWalker>

## EDUCATION

---

### Bachelors of Science in Computer Science Clemson University

08/2012 - 12/2016