Samuel McManus

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WORK EXPERIENCE

Bell Flight   **Feb. 2021 – Dec. 2021**
Cybersecurity Engineer   *Fort Worth, TX*
- Wrote functional cybersecurity requirements for aircraft components based on NIST 800-53. Took input from threat assessments to justify innovative cybersecurity solutions. Communicated with IPTs to integrate cybersecurity in aircraft components.
- Created threat models and performed cyber tabletops. Researched TTPs of nation-state actors to determine feasible attacks on the aircraft.

Siemens   **Jan. 2022 - Present**
Cybersecurity Specialist   *Remote*
- Analyzed vulnerabilities to websites and infrastructure, taking a risk-based approach. Worked with developers to validate vulnerabilities, determine remediation plans, fix them within SLAs, and document them for SOC2.
- Deployed and monitored security infrastructure in AWS. Assisted teams in creating and tuning WAF rules. Implemented monitoring of security landscape in AWS accounts and CI/CD pipelines.
- Automated the creation of new cloud resources using Terraform. Automated parsing of scan results using Bash and Python scripts.

OTHER EXPERIENCE

[Redacted] (Decentralized Application)   **March 2022 - Present**
Developer
- Wrote a smart contract on the Juno chain to send messages and cryptocurrency between users. Utilized a Keplr wallet to provide ease-of-use for non-technical users.
- Built a front-end web application using NextJS. Created a user interface with TailwindCSS and worked with Cosmos APIs to communicate with smart contract.
- Deployed infrastructure to Cloudmos to create a fully decentralized experience for users. Automated future deployments using GitLab pipelines.

EDUCATION

Sam Houston State University   **Dec. 2020**
B.S. Cybersecurity   *Huntsville, TX*
- Graduated Magna Cum Laude
- MyHealthChart App was published in the CCSC Eastern Conference 2020 Journal
- Competed in CCDC 2020, Hivestorm 2020, and DEFCON 28 IoT CTF.
- Participated in the VR Club and the SHSU Chapter of the ACM.

SKILLS

- Programming with Javascript, Rust, Python, C, Java, Ada, and Bash
- Familiarity with risk management
- Networking and virtualization technology

CERTIFICATIONS

- CompTIA Security+
- CompTIA Pentest+
- AWS CCP