

Kevin Kredit

https://kkredit.github.io

kevinkredit@email.com

(789) 456-1230

OBJECTIVE

Software engineer looking to use diverse experience, passion for quality, and knowledge about security to solve real-world problems.

EXPERIENCE

- **HashiCorp** Remote (MI)
Cloud Backend Engineer, II August 2021 - Present
 - **API and Orchestration Design:** Designed and implemented features to monitor and control HCP Vault clusters; authored RFCs; improved the Terraform provider for HCP
 - **Champion for Tooling and Quality:** Introduced Semgrep scanning as a GitHub Action to automate general and project-specific best practices; frequently wrote dev scripts and led codebase improvement efforts
 - **Strategic Contributor:** Initiated and contributed to conversations about larger product, security, and software architecture decisions
- **DornerWorks Ltd.** Grand Rapids, MI
Full-Stack Software Engineer June 2016 - July 2021
 - **Multiprocess Embedded Python:** Fully architected an Erlang-inspired Python IoT application managing events and connections from sensors, peripherals, and the cloud
 - **React+Redux Electron App:** Developed a TypeScript Node app dual-targeting the web and Electron
 - **Cloud and IoT Applications:** Ran full-stack devops using AWS IoT, Lambda, Elastic Beanstalk, Docker, MySQL, Ruby on Rails, React, and Ruby and Python client applications; included legacy and greenfield projects; led successful port of a legacy application to AWS Elastic Beanstalk
 - **Continuous Integration:** Regularly set up Jenkins and GitLab CI environments, including remote hardware power power cycle and serial access; advocated and implemented vulnerability scanning with SonarQube
 - **High Performance and Embedded C:** Optimized signal processing software with multiprocessing and vector instructions; used and extended Xen and seL4 hypervisors; wrote hardware interfacing device drivers

EDUCATION

- **Grand Valley State University** Grand Rapids, MI
Master of Science in Applied Computer Science; GPA: 4.00 December 2020
 - **Concentrations:** Cybersecurity, Web & Mobile Computing
 - **Thesis:** *Contending with Wicked Crypto*, an analysis of encryption policy and technology
- **Calvin University (formerly Calvin College)** Grand Rapids, MI
Bachelor of Science in Engineering with Honors; GPA: 4.00 May 2016
 - **Concentration:** Electrical & Computer Engineering
 - **Minors:** Computer Science, Mathematics, and Business

PROJECTS

- **Elm SPA:** A tool to view argument maps written in Elm, a Haskell-inspired frontend language and framework
- **Smart Home Threat Model:** Threat model for a generic smart home system using STRIDE and DREAD

TECHNOLOGY EXPERIENCE

- | | | | | | |
|--------------------------------|---------------|-----------------|---------------|-----------------|---------------------------------|
| • Professional: | Go/Proto/GRPC | AWS | TypeScript | C | Semgrep |
| | Terraform | Linux/Bash | React+Redux | Python | CI (many) |
| | Vault | Docker | Ruby on Rails | Database design | L ^A T _E X |
| • Academic & Hobby: | TLA+ | Threat modeling | Rust | | Clojure |
| | Alloy | Haskell | Elm | | Android/iOS |

REFERENCES

- **Alice Foo** - *Academic Advisor* alicefoo@uni.edu - (123) 456-7890
- **Bob Bar** - *Colleague* bobbar@biz.com - (234) 567-8901