

Jeremy Banker

Security Software Engineer

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SKILLS

Python	C#
Go	Kubernetes
Agile/Scrum Methodologies	Object Oriented Design Patterns
Microservice Architecture	Secure Software Design

CERTIFICATIONS

CKAD	July 2021
Linux Foundation	
CHFI	February 2020
EC Council	
CEH	March 2019
EC Council	

EDUCATION

Western Governors University	
Master of Science	Cybersecurity and Information Assurance
DeVry University	
Bachelor of Science	Networking and Communications Management

PERSONAL PROJECTS

OSINT Tooling
Distributed tool to collect, correlate and search user-linked information from a popular chat service.
Ham Radio Serial Control Interface
Reverse engineering and software implementation of byte-level serial control protocol for amateur radio hardware in Go
Unity VR Reddit Browser
Implementation of basic focused browser to implement user-interactive Reddit browsing experience in Unity VR environment
Remote Solar Monitor and Control System
Low-power monitoring, analytics and control station for remote wireless link site with solar and battery power

WORK EXPERIENCE

VMware Inc.	(May 2018 - Present)
Sr. Security Software Engineer	
Full-lifecycle handling of custom software solutions for VMware IT Security and Resiliency organization.	
<ul style="list-style-type: none">Product Owner and developer for internal and open source offering designed to identify consumed dependencies and potential sources of risk in CI/CD pipelines and software buildsArchitected and implemented cloud-deployed pipeline handling collection, filtering and transport of ~14TB daily log flows into on-premise SIEM with average 99% uptimeDesigned and created internal tooling for automated discovery and identification of network systems impacted by Log4Shell vulnerabilityChampioned internal adoption of InnerSource processes and policies for relevant product offeringsAuthor and present executive-level overview as well as technical deep-dive presentations at internal developer and security conferencesPioneered processes for release of created tooling to open source community	
VMware Inc.	(August 2015 - April 2018)
Sr. Technical Support Engineer	
Provided Tier 3 support for VMware VDI and enterprise virtualization software, including high-visibility global customer environments.	
<ul style="list-style-type: none">Authored and presented live and recorded training sessions for global support teamCollaborated with PSO and Architecture resources to provide design recommendations for global customer environmentsCreated internal and public facing training resources for previously undocumented product featuresCreated modular CLI tooling to automate log analysis from customer environments, resulting in 50% reduction of time spent on manual analysis and 20% global reduction in MTTR	
ZOLL Data Inc.	(June 2014 - July 2015)
Software Engineer	
Development on medical data collection application used to enhance the level of service provided by paramedic and fire organizations nationwide, and report required medical data to government entities.	
<ul style="list-style-type: none">Collaborated with support, field and customer resources to resolve customer-impacting software defects in a timely manner to avoid service interruptions for emergency personnelHeaded team to redefine source control and build processes, leading to a decrease in lost time due to build issues	
Pivot3 Inc.	(October 2013 - May 2014)
Sr. Technical Support Engineer	
Provided all levels of support for Pivot3 converged VDI and Storage/Surveillance offerings, as well as creating in-house tooling to enhance customer support experience	
<ul style="list-style-type: none">Developed and deployed inventory tracking tool to ensure proper tracking and recovery of customer demo hardwareDeveloped and deployed secure support contract lookup tool to allow external front line call center to identify expired support contracts, leading to 90% reduction in after-hours on-call engagements	