

Samuel Kevetter

Senior Software Engineer - Dept. of War Security Clearance



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Summary

Senior engineer and technical leader with 8+ years of experience driving operational efficiency and shaping organizational strategy across AI, cloud infrastructure, and security domains. My background spans military operations and software development, enabling me to bridge technical and business stakeholders. My core expertise is in AI large-language-model (LLM) security applications, containerization and Kubernetes platforms, and cloud-native platform engineering.

Experience

Amazon Seattle, WA
Software Development Engineer – LLM Applications, Security, and Cloud Infrastructure February 2024 - Present

- Technical lead for several organization-wide AI initiatives, designing and delivering multi-agent LLM applications that automate security workflows and operational decision-making within Amazon Security.
- Architect and owner of a production-grade Agentic Security Platform, defining best practices for LLM agent design, agentic workflows, capturing observability trace data via a self-hosted Kuberentes service, and employing secure deployment patterns for production services at scale.
- Designed and deployed containerized AI workloads using OCI/Docker, ECS, and AgentCore, enabling reliable, scalable execution of AI agents in production environments.
- Built high-availability, low-latency cloud infrastructure supporting distributed 5G and edge network functions using AWS EKS, Telco Network Builder, and cloud-native network primitives.
- Led the design and automation of scalable infrastructure using Lambda, S3, EC2 Auto Scaling, and CloudFormation, reducing operational overhead and improving deployment consistency.
- Owned private networking and resiliency architecture (VPC, PrivateLink, ElastiCache); developed a Lambda + Step Function health-monitoring and auto-remediation system that identified and mitigated 5 service outages the first month of deployment.

Amazon Seattle, WA
Software Development Engineer – Graduate Researcher May 2023 - August 2023

- Led the design and automation of scalable infrastructure using Lambda, S3, EC2 Auto Scaling, and CloudFormation, reducing operational overhead and improving deployment consistency.
- Owned private networking and resiliency architecture (VPC, PrivateLink, ElastiCache); developed a Lambda + Step Function health-monitoring and auto-remediation system that identified and mitigated 5 service outages the first month of deployment.

US Navy Reserve Global
Military Officer July 2017 - Present

- Supported United States, Far East, and NATO coalition forces through multiple deployments to contested regions, operating and sustaining mission-critical systems.
- Owned operational logistics and lifecycle management for classified environments, including secure computer networks, software distribution, identity and access management, and security patching.

Experience

Ocean Shipholdings	Global
Senior Operations Manager, Maritime Logistics and Technology	July 2019 - January 2022
<ul style="list-style-type: none">• Executive Officer and Department Head on a U.S. Navy surveillance vessel, leading 10+ personnel and overseeing operational execution, system readiness, and cross-functional coordination for national-security missions.• Led technical teams responsible for the architecture, reliability, and security of mission-critical, high-availability systems supporting classified operations; owned technical strategy, risk tradeoffs, and execution across distributed teams.	
Crowley Government Services and Sealift	Global
Maritime Operations Manager	July 2017 - March 2019
<ul style="list-style-type: none">• Managed day-to-day ship operations aboard a U.S. Navy surveillance vessel, ensuring vessel safety, regulatory compliance, and operational readiness. Coordinated with military and civilian personnel on national-security missions, developing leadership, risk management, and decision-making skills in high-tempo environments.	

Projects

<u>Devpod</u>	<u>Picolayer</u>
Lead maintainer of devpod, an open-source developer environment platform written in Go. Implemented features and improvements related to containerized development workflows, remote environments, and reproducible dev setups.	Lead maintainer of a devcontainer utility management application written in Rust. Focused on performance, safety, and efficiency for container-native and build-system workflows.

Awards

Navy and Marine Corps Overseas Service Ribbon	Armed Forces Service Medal
Naval Reserve Sea Service Ribbon	National Defense Service Medal
Global War on Terrorism Medal	Merchant Marine Expeditionary Medal

Skills

Programming	Python, Java, SQL/NoSQL, Rust, Golang, Swift, Objective C/C++, Kotlin, Typescript/Javascript, HTML/CSS, R
Tools and Technologies	
AWS, LLM, AI, Agentic Workflows, Kubernetes, Docker, Github, PostgreSQL, DynamoDB, GCP-Bigquery, Single-board computing, Tensorflow, Scikit-learn, PyTorch, Numpy, Pandas, Spring/Springboot, Dagger, Ansible, Terraform, Pulumi	
Domain Knowledge	
AI and Machine Learning (LLMs), Containerization, ETL, Cloud Computing, Strategy and operations, 5G/RAN Cellular Networking, Virtualization, Creative problem-solving, Project management, SOLID Programming design patterns, Object-oriented programming, Data modeling & management, Data privacy & security	

Education

Southern Methodist University Machine Learning and Artificial Intelligence	Masters • 4.0
United States Merchant Marine Academy Maritime Operations, Logistics, and Security	Bachelors • Cum Laude
Purdue University Northwest, IN Artificial Intelligence Cybesecurity	Vocational

Certifications

<u>PCPP1 - Certified Professional Python Programmer</u> OpenEDG Python Institute	<u>CompTIA Security+ ce</u> CompTIA
<u>CompTIA A+</u> CompTIA	<u>AWS Academy Machine Learning Foundations</u> Amazon Web Services
<u>CyberOps Associate</u> Cisco	<u>Cisco IT Essentials</u> Cisco
Chief Mate Unlimited Tonnage United States Coast Guard	Master Under 1600 GRT United States Coast Guard

Community Service and Activities

DFW Pythoners	TX
A member of python programming enthusiasts group local to the Dallas-Forth Worth area who promote continuous learning and mentorship through the python programming language	
Decatur Public Library	TX
Volunteer	
National Honor Society	TX
Volunteer	

Interests

Machine Learning and Artificial Intelligence	devcontainers
nixOS	Cryptography
Cybersecurity	[*]vim / [*]rc / dotfiles