



Samuel Kevetter

Senior Software Engineer

📍 Remote, US



Profiles

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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-sensitive 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

May 2023 - Present

Senior Software Engineer – LLM Applications, Security, and Cloud Infrastructure

Seattle, WA

- Technical lead for multiple organization-wide AI initiatives, designing and delivering multi-agent LLM applications that automated security workflows and operational decision-making across 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, 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 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 it was deployed.

US Navy

September 2020 - April 2023

Senior Manager Technical Operations

Global

- Led high-impact technical operations teams responsible for the design, operation, and security of mission-critical, high-availability systems supporting national-level operations. Owned technical strategy, system reliability, and execution across distributed teams in security-sensitive environments. Made architecture, risk, and operational tradeoff decisions under real-world constraints; developed and mentored senior operators; and established long-term technical direction aligned with mission outcomes.

US Navy

July 2018 - August 2020

Senior Operations Manager

Global

- Executive officer and department head for a U.S. Navy surveillance and oceanographic research vessel conducting national-security operations. Owned operational execution, system readiness, and cross-functional coordination for complex, mission-critical platforms. Led and mentored 10+ personnel, managed planning and execution across multiple stakeholders, and ensured continuous, safe operation in high-risk, high-availability environments.

Experience

US Navy

Maritime Operations Manager

July 2017 - June 2018

Global

- 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-stakes, real-world environments.

Projects

Devpod

🔗 <https://github.com/skevetter/devpod>

Lead engineer 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.

Picolayer

🔗 <https://github.com/skevetter/picolayer>

Author and 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

Masters

Machine Learning and Artificial Intelligence

4.0

United States Merchant Marine Academy

Bachelors

Maritime Operations, Logistics, and Security

Cum Laude

Purdue University Northwest, IN

Vocational

Artificial Intelligence Cybsecurity

Certifications

PCPP1 - Certified Professional Python Programmer	January 2023	CompTIA Security+ ce CompTIA 	January 2023
OpenEDG Python Institute 			
CompTIA A+	December 2022	AWS Academy Machine Learning Foundations Amazon Web Services 	May 2023
CompTIA 			
CyberOps Associate	January 2023	Cisco IT Essentials Cisco 	October 2022
Cisco 			
Chief Mate Unlimited Tonnage United States Coast Guard	May 2022	Master Under 1600 GRT United States Coast Guard	May 2022
Endorsements: EKMS (cryptographic keys) manager, small arms and ship's reaction force, chemical, biological, and radiological (CBRD) officer, anti-terrorism officer, medical person-in-charge, tactical advisor, secret clearance			

Community Service and Activities

DFW Pythoners	March 2018 - January 2024
A group of python programming enthusiasts local to the Dallas-Forth Worth area who evangelize continuous learning through the python programming language	TX
Decatur Public Library	2011 - 2012
Volunteer	TX
National Honor Society	2012 - 2012
Volunteer	TX

Interests

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