



# Samuel Kevetter

Senior Software Engineer

📍 Remote, US | 📞 \_\_\_\_\_ | @ \_\_\_\_\_

## Profiles

[samuel.kevetter](#)     [Samuel Kevetter](#)

## 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

<b>Amazon</b>	<b>May 2023 - Present</b>
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.

<b>US Navy</b>	<b>September 2020 - April 2023</b>
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.

<b>US Navy</b>	<b>July 2018 - August 2020</b>
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	July 2017 - June 2018
Maritime Operations Manager	Global
<ul style="list-style-type: none"><li>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.</li></ul>	

Projects

<b>Devpod</b> <a href="https://github.com/skevetter/devpod">https://github.com/skevetter/devpod</a> 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.	<b>Picolayer</b> <a href="https://github.com/skevetter/picolayer">https://github.com/skevetter/picolayer</a> 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.
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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 Cybesecurity	

Certifications

<b>PCPP1 - Certified Professional Python Programmer</b> <u>OpenEDG Python Institute</u> 🌐	<b>January 2023</b>	<b>CompTIA Security+ ce</b> <u>CompTIA</u> 🌐	<b>January 2023</b>
<b>CompTIA A+</b> <u>CompTIA</u> 🌐	<b>December 2022</b>	<b>AWS Academy Machine Learning Foundations</b> <u>Amazon Web Services</u> 🌐	<b>May 2023</b>
<b>CyberOps Associate</b> <u>Cisco</u> 🌐	<b>January 2023</b>	<b>Cisco IT Essentials</b> <u>Cisco</u> 🌐	<b>October 2022</b>
<b>Chief Mate Unlimited Tonnage</b> United States Coast Guard	<b>May 2022</b>	<b>Master Under 1600 GRT</b> United States Coast Guard	<b>May 2022</b>

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

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

Interests

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