

Gary Ray Krause

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<https://garykrause.dev>

<https://shenandoahbitcoin.club>

GitHub - <https://github.com/EthnTuttle> || <https://github.com/garyray-k> || <https://github.com/mirkoRainer>

Experience

MAR 2023 – Present

SIXGEN, Annapolis, MD – *Sr. Product Engineer RAVEN*

- Manage all RAVEN (<https://sixgen.io/raven>) project aspects
- Sales engineering to demo product and address customers technical questions
- Plan technical product roadmaps for hardware and software
- Develop and maintain Ansible playbooks and small web application codebase
- Provide customer support, engagement, and troubleshooting
- Develop new UI/UX features to improve productization

FEBRUARY 2023 - Present

Fedimint – *Contributor*

- Improve developer and deployment via logging and environment automation
- Maintainer for Setup UI and Module Example repositories
- Advocate Fedimint online and at various industry events
- Record weekly developer calls and upload for broad dissemination and asynchronous viewing (bitcointv.com/c/fedimint_dev/videos)

NOVEMBER 2021- DECEMBER 2022

Fundrise, Washington, DC (Remote) – *Senior Software Engineer (1 yr.)*

- Web App development focused on data aggregation and forms over data
- Front-End web development using Vue3's Composition API and GraphQL
- Back-End development using Java Spring Boot with Hibernate
- Interview and assess new candidates for technical proficiencies and cultural fit
- Mentor and advise junior developers during code review and pair programming sessions

NOVEMBER 2019 - NOVEMBER 2021

Microsoft, Reston, VA – *Site Reliability Engineer II (2 yr.)*

Azure Machine Learning

- Improves processes and service resilience for new cloud offerings and regions
- Manages Kubernetes clusters and other infrastructure pieces for Azure Machine Learning
- Works in code bases involving YAML, .NET, Python, Go, and more
- Use Azure Dev Ops for work stream management

O365 Enterprise Cloud

- Works on the Service Fabric of O365 for Enterprise Cloud customers
- Streamline team data flow using PowerShell automation and preexisting build pipelines

- Automate tedious Exchange deployment health checks via PowerShell and Azure CLI to create informed CLI dashboard and reporting
- Troubleshoot various cloud scale issues to include but not limited to: software deployments, networking, monitoring, automated repairs, patching

JUNE 2019 – OCTOBER 2019

SIXGEN, Annapolis, MD – Intern (4 mo.)

- Research Encrypted Server Name Indicator (ESNI) for use within existing information security applications and tools by converting a custom Openssl library to byte array for compilation to Go executable.
- Restructure various Ruby on Rails models into one hierarchical model to better fit customer needs. Dynamically generated strictly formatted PDFs from database data.
- Mentor and teach high school interns on information security and software development topics (Source control, RF theory, C# Hello World)

JUNE 2014 – DECEMBER 2019

Naval Special Warfare Special Reconnaissance Team TWO, Virginia Beach, VA

- Technical Project Lead (5 yr.)

- Plans and executes technical operations as a subject matter expert in austere locations and environments with high stakes and dire consequences
- Manage small cross-functional disaggregate teams to solve complex technical problems
- Lead technical exercise retrospectives to identify training and process improvements
- Provide timely and accurate reporting for customers via text, charts, and/or maps
- Advise up to C-level decision makers on courses of action and technical considerations
- Accounts for and operates advanced technical equipment valuing in excess of \$1.5M
- Manage sensitive data and information throughout its lifecycle
- Solves critical intelligence requirements by using protocol analyzers, Python/Bash scripts and Linux command line utilities to parse, process and analyze data-sets for ingestion into intelligence databases.
- Trains and mentors new hires
- Screens and assesses candidates for suitability of employment

MAY 2010 - JUNE 2014

Navy Information Operations Command – Hawaii, Honolulu, HI – Data Analyst Lead/Language Analyst (4 yr)

- Lead a small team responsible for discovery and analysis of entities using geospatial data
- Translate and analyze foreign language material to answer customer requirements
- Use MS Excel and Python to analyze large CSV data to derive meaningful context for intelligence purposes
- Provide formal career advancement information to fellow employees

AUGUST 2008 - MAY 2010

Defense Language Institute, Monterey, CA – Student (2 yr.)

- Study Chinese Mandarin via immersion
- Maintain attendance and accountability records for peers

Volunteer

Shenandoah Bitcoin Club (May 2022 - Present) – Founded a local monthly meetup to educate and collaborate with those interested in Bitcoin and the surrounding ecosystem. The club meets every third Saturday of the month and is free form discussion about Bitcoin.

Microsoft Software and Systems Academy Mentor (Past) – As a Microsoft employee, mentor cohorts of transitioning veterans on both soft and hard skills to aid their transition into a tech career.

Local TEALS Volunteer (Past) – Technology Education and Literacy in Schools (TEALS) is a Microsoft Philanthropies program that builds sustainable CS programs in high schools. We focus on serving students excluded from learning CS because of race, gender, and geography. TEALS helps teachers learn to teach CS by pairing them with industry volunteers and proven curricula.

References

References available upon request.