

Contact

304 Hermitage Road
(865) 409-8552 (Mobile)
kuhn.on.kash@gmail.com

www.linkedin.com/in/dkuhn
(LinkedIn)
dazeofthewolf.com (Portfolio)
blackbox.dazeofthewolf.com
(Company)

Top Skills

DevOps
Opsec
Cryptocurrency

Languages

Spanish
English

Certifications

Hacker Rank Python Expert
edX Verified Certificate for
Introduction to Polkadot
AWS Certified Cloud Practitioner
(CLF-C01) | AWS Essentials
Ultimate Rust Crash Course

Douglas Kuhn

AI Engineer | PyTorch • LLM Fine-Tuning • RAG • DevOps for AI •
Rust Systems
Portland, Oregon Metropolitan Area

Summary

Senior AI Engineer building real-time, production-grade systems. Currently shipping Nina — full-duplex speech-to-speech AI agent (PyTorch inference, LoRA fine-tuning on 120 GB audio, <200 ms E2E latency, 6% WER).

5+ years in backend infrastructure: distributed systems, observability (Prometheus/Grafana/Loki), CI/CD, and scalable APIs.

Open to remote senior AI/ML/DevOps contracts or full-time roles.

Let's talk if you're hiring or building something interesting.

www.dazeofthewolf.com

Experience

Daze of the Wolf

Founder & Consultant | Daze of the Wolf
January 2021 - Present (5 years 6 months)
United States

Independent consultant specializing in Web3 AI agents, secure DevOps infrastructure, and blockchain integrations through Daze of the Wolf. Deliver scalable solutions for startups and projects in decentralized ecosystems. Visit dazeofthewolf.com for portfolio and services.

Developed NINA, an open-source Docker-based Web3 AI agent for autonomous blockchain monitoring, automation, and tasks—deployable in minutes with integrated security features.

Built and contributed to open-source projects like PolkaTap (hackathon-winning NFC Tap-Mix-Pay service) and Eternal Codex (secure DevOps manifesto with code samples and diagrams).

Provided infrastructure audits and OpSec consulting for Web3 projects, identifying vulnerabilities and implementing privacy-first scaling—achieving 99% outage reduction for clients transitioning from prototype to production.

Architected and deployed blockchain validators on Kubernetes for Polkadot ecosystem, optimizing reliability, low-latency data relay, and real-time microservices for network health monitoring.

Configured staking mechanisms and coordinated validators on Polkadot/Substrate, ensuring high availability and security using Rust-based tools.

Specialized in AWS cloud automation, Docker orchestration, and custom software development to support AI-enhanced decentralized applications.

Wheelhouse Construction

Chief Technology Officer

May 2025 - October 2025 (6 months)

United States

As CTO at Wheelhouse Construction, I architect decentralized systems that shatter norms, using Polkadot, Substrate, and blockchain to craft scalable solutions for tech and construction. I harness AI, LLMs like Trinitas, and languages like Python, Rust, and Go on Linux platforms to drive automation, secure code, and rapid deployments, while mastering DevOps and OPSEC to ensure every operation is airtight and impactful.

I've hacked, iterated, and delivered, from building secure protocols to consulting on cutting-edge strategies that demand precision. My expertise in Linux's power, paired with Python's flexibility, Rust's safety, and Go's efficiency, powers projects that solve the unsolvable, cementing my rep as a tech visionary with a rogue edge.

Outside the office, I thrive on autonomy, creating tools that protect and empower. Whether it's optimizing with DevOps, fortifying with OPSEC, or pushing boundaries with new tech, I'm your partner in progress, always breaking molds and building anew.

Connect with us to turn your home vision into reality.

Battery Movement - BatteryAGI, Battery Coin, Battery Blockchain

Blockchain Architect

July 2024 - January 2025 (7 months)

I play a crucial role in the development of Battery Coin, leveraging my deep expertise in both artificial intelligence and blockchain technology. As a strong Substrate and Rust engineer, I am responsible for architecting and

implementing key components of the platform, ensuring that the project met the highest standards of security, scalability, and efficiency.

My extensive understanding of AI is instrumental in optimizing Battery Coin's infrastructure. I integrated advanced machine learning models to enhance predictive analytics and automated decision-making processes, which significantly improved the platform's performance and reliability. This AI-driven approach is seamlessly aligned with my DevOps expertise, where I lead the charge in automating deployment pipelines, monitoring systems, and ensuring continuous integration and delivery.

In addition to my technical contributions, I also played a leadership role within the team, fostering a culture of innovation and collaboration. My efforts helped Battery Coin achieve its milestones effectively, setting the stage for its success in the competitive blockchain landscape.

Afloat Platform

Artificial Intelligence Architect

May 2024 - August 2024 (4 months)

As an A.I. Architect, DevOps specialist, and Senior Polkadot Ambassador at Afloat, I play a pivotal role in integrating OpenUSD into the Polkadot JAM protocol. My responsibilities encompass designing and implementing cutting-edge artificial intelligence solutions, streamlining development pipelines, and ensuring robust deployment processes. Leveraging my expertise in Python and Rust programming languages, I drive the development of scalable and efficient systems while adhering to best practices in DevOps.

At Afloat, I lead the Substrate engineering efforts, focusing on building decentralized applications on the Polkadot ecosystem. I am actively engaged in designing and deploying smart contracts for decentralized applications, ensuring security and efficiency. As a Senior Polkadot Ambassador, I contribute extensively to the growth and development of the Polkadot community, promoting awareness and education about the ecosystem.

With a passion for driving innovation at the intersection of blockchain technology and artificial intelligence, I am committed to pushing the boundaries of decentralized technology. I am always looking to connect and collaborate on innovative projects that contribute to the advancement of the blockchain and A.I. landscape.

Astar Foundation

DevOps Developer (Tech Ambassador)

July 2023 - August 2024 (1 year 2 months)

Tokyo, Japan

As a Tech Ambassador, my role not only included traditional DevOps tasks but also community engagement, technical presentations, and collaboration with different teams. This opportunity to use my technical skills while serving as a bridge between Astar and our vibrant community of developers and users.

- Developed and maintained robust, scalable, and secure blockchain infrastructures using Rust, Substrate, and Ink!
- Contributed to the continuous integration/continuous deployment (CI/CD) pipeline and other DevOps processes.
- Able to troubleshoot and resolve system issues while ensuring high availability and performance of the blockchain services.
- Engaged with our community, providing technical support, discussing new features, and encouraging participation in our ecosystem.
- Acted as a technical evangelist, presenting and explaining Astar technology to different audiences, from technical workshops to public presentations.

Nodle

Technical Writer

June 2023 - August 2024 (1 year 3 months)

As a Technical Writer at Nodle, a forward-thinking blockchain organization, I have been instrumental in crafting and maintaining dynamic, continually updated technical documentation. This rich repository has been serving Nodle's expansive developer community, elucidating the intricacies of our specialized para-chain, and a variety of developer resources and APIs.

Not just limited to technical documentation, my role also encompasses the development of engaging marketing documentation that brings Nodle's groundbreaking solutions to a wider audience. To keep our information always current and accurate, I've implemented automated documentation systems that ensure our resources stay relevant to the ever-evolving tech landscape.

Being a part of the passionate Nodle team has been both invigorating and fulfilling, allowing me to contribute significantly to the company's expansion and the broader acceptance of Polkadot network technologies.

#Nodle #Blockchain #TechnicalWriting #IoT #Polkadot #Parachain

Neurolanche X Labs

Project Lead Development

December 2023 - May 2024 (6 months)

As an Artificial Intelligence Researcher and Technical Writer specializing in the development of intelligent Non-Fungible Tokens (iNFTs), I am deeply involved in cutting-edge AI and blockchain technology. My role primarily focuses on the creation and refinement of complex data-sets using advanced tools such as Terraform, Python Mojo, and Rust. These technologies enable me to craft sophisticated AI models that underpin the unique attributes and functionalities of iNFTs. My work is not only technical but also involves documenting processes and developments, making complex concepts accessible and understandable through comprehensive technical writing.

In addition to AI research and writing, I am engaged in full-scale DevOps operations, proficiently managing cloud-based environments with Amazon Web Services (AWS). My expertise extends to containerization and orchestration with Docker and Kubernetes (K8s), ensuring seamless deployment, scaling, and management of application containers across clusters. This multifaceted role requires a blend of technical acumen, creative problem-solving, and clear communication, making it both challenging and rewarding in the rapidly evolving landscape of blockchain and AI technologies.

Greenwitch Productions LLC

CTO, Strategic Development Engineer

April 2016 - January 2023 (6 years 10 months)

Portland, Oregon Area

At Greenwitch Productions, my expertise lies in the domains of machine learning, artificial intelligence, and software development. I have a strong foundation in Keras and Tensorflow, and I'm skilled in programming languages such as Python, JavaScript, and libraries like numpy and Node.js.

As a machine learning specialist, I work closely with clients to understand their business challenges and develop solutions that meet their specific needs. I have extensive experience in training and deploying machine learning models, developing algorithms for data analysis, and building predictive models using advanced techniques.

In addition to my machine learning skills, I also possess expertise in software development. I have worked on multiple projects using JavaScript, npm, Node.js, and other technologies. My proficiency in these areas enables me

to develop high-quality software applications that meet client needs while adhering to industry best practices.

Overall, my commitment to delivering exceptional work, combined with my technical expertise, makes me a valuable asset to any team. I am always striving to learn and improve my skills, staying up-to-date with the latest trends and technologies in the field, to provide the best possible solutions for my clients at Greenwich Productions.

Current Project: Daze of the Wolf (www.dazeofthewolf.com)

RioDeFi

Blockchain Director

March 2022 - August 2022 (6 months)

Hong Kong SAR

As a Substrate and Rust engineer, I provided technical support for RioDeFi's DAO product, leveraging my expertise in developing decentralized applications using the Substrate framework and Rust programming language.

In my role, I collaborated with cross-functional teams to ensure that the product was stable, secure, and scalable. I worked on enhancing the core functionalities of the product, such as governance, staking, and voting mechanisms, while adhering to best practices and industry standards.

My proficiency in Substrate and Rust programming enabled me to identify and troubleshoot technical issues quickly, providing timely resolutions to improve the product's performance and user experience. Additionally, I stay up-to-date with the latest trends and developments in blockchain technology, bringing innovative solutions to the product and improving its overall functionality.

Overall, my dedication to delivering high-quality work and providing technical support for RioDeFi's DAO product has made me a valuable asset to the team. With my expertise in Substrate and Rust engineering, I am confident in my ability to continue contributing to the success of the product and driving growth for RioDeFi.

Sifchain

DevOps Engineer

November 2021 - February 2022 (4 months)

Cayman Islands

As a DevOps engineer with a specialization in blockchain technologies, I have experience in deploying blockchain nodes, or validators, on Kubernetes. In my previous role, I optimized Sifchain validators' reliability, security, and availability, while ensuring they connect seamlessly with peer validators.

My expertise in deploying validators on Kubernetes enables me to ensure optimal performance, scalability, and security for the blockchain network. Additionally, I have experience in developing and supporting low-latency, real-time microservices that facilitate data relay from one validator to another, as well as to external API services for network health monitoring and other telemetric data.

My dedication to delivering high-quality work, combined with my strong problem-solving skills, enables me to quickly identify and troubleshoot technical issues. I work collaboratively with cross-functional teams to ensure seamless integration with other components of the blockchain network.

Overall, my expertise in DevOps engineering, blockchain technologies, and Kubernetes, combined with my strong communication and collaboration skills, make me a valuable asset to any team. I am committed to continuously learning and improving my skills, staying up-to-date with the latest trends and technologies in the industry, to deliver exceptional work that meets and exceeds client expectations.

Composable Finance

DevOps Engineer

June 2021 - November 2021 (6 months)

Berlin, Germany

Architect for Rust and Substrate development of Crypto and Blockchain. Coordination of Validators on the Polkadot Blockchain, and configuration of Staking mechanisms.

Stealth Mode Startup

Senior Software Architect

May 2018 - June 2021 (3 years 2 months)

Beaverton, OR

Building cutting edge streaming media platforms, with cutting edge Python and JavaScript tools, integration of ERC-20 Blockchain technology and implementation of smart contracts to bring value to network transactions. Blockchain fungible ERC-20 and non fungible ERC-721 and ERC-1155.

Machine Learning algorithms, with Tensorflow.js and Keras, building out neural networks for predictive analytics for alt-coin trading.

UI/UX , HTML, CSS Grid

Python

JavaScript (Vue.js, React.js/Native, Node.js and GraphQL on AWS and Google Cloud).

Big-data (Hadoop and Spark),

Block-chain analytics.

Bluewitch Productions

Media Director

January 2011 - June 2021 (10 years 6 months)

Developing SEO strategies with affiliates, ad revenue, profit sharing models to build the best production product placement will buy. Magento, PHP and Wordpress development.

www.bluewitchproductions.com

Set up to be a test site for hardening against attacks and iSQL injections. All PHP, running the Wordpress (Buddypress) CMS.

Tech Worm

Contributing Author

January 2015 - May 2018 (3 years 5 months)

Write daily news articles on security, technology and hacking trends. Share expertise analysis and commentary on cutting edge security and advanced hacking methods.

<http://www.techworm.net/>

Peaceful Media

Senior Software Engineer

January 2015 - April 2015 (4 months)

Architecting, engineering and designing cutting edge web and mobile platforms.

<http://peacefulmedia.com/>

DiscoverOrg

Senior Software Engineer

March 2014 - August 2014 (6 months)

Vancouver, Washington

To debug and troubleshoot our site www.discoveryorg.com

NetSphere

Web Developer

September 2011 - May 2012 (9 months)

Troubleshooted PHP and Wordpress development for debugging. Updated all Wordpress sites. Assisted in MySQL database restoration.

Law offices of Higbee and Associates

Web Developer

January 2011 - August 2011 (8 months)

Developing PHP scripts and Wordpress projects

www.recordgone.com

Created PHP/MySQL on-line validation for record expulsions. Created PHP code to create dynamically workable affiliate sites.

www.cwdebtrelief.com

Converting a HTML static site into a Wordpress and PHP site with a custom CSS theme. Created, updated, and maintained web site pages. Set up SEO, Google Analytics and Social Media accounts (Facebook, Twitter, etc.)

Assisted in other capacities, including office management (answering phones, filing client data-files), running reports (Word and Excel) and preparing intake cases for future clients.

Kiet, Cothran & Zirillo, APC

Director of Technical Development

April 2008 - January 2011 (2 years 10 months)

Managed IT and Website development for front and back office. Assisted legal staff with technical and networking and a variety of IT issues. Developed PHP and Javascript (jQuery) to organize credit pulls for browser front end viewing and converting PDF reports.

Automated reporting for state law research in report format for meetings at court. Created scripts in BASH and Perl to parse data-files and check accuracy with due diligence. Assisted in obtaining medical data and invoices and

converting into XML format. Conducted research of legal databases, Westlaw and Lexis Nexis to find case law, judgments and precedence with similar cases. Built cloned databases for local research.

Maintained internal email and messaging tools for managing legal assignments and case studies, news data, and photo images. Did accounting and book keeping with Abacus and Quick books, generated reports, tracked client payments and daily AP, AR. Tracked legal cases and Financial reporting-financial analysis month and year-end close, account analysis of balance sheet and income statement, and preparation of month-end. Payroll, Journal Entries, Profit and Loss preparation.

iEden

Web Designer /Developer

October 2005 - April 2008 (2 years 7 months)

Created, updated, and maintained web site pages for iEden.com, using CSS, HTML, JavaScript, and XML/XSL. Coordinated with filmmakers, producers and designers for major web site changes. Maintained a series of internal software tools for managing site structure, news data, and adult photos, using Perl and Java. Worked with third-party providers to ingest and integrate external streaming data, and generated content feeds for use on partner web sites. Assisted with design efforts for affiliated site pages, content archival, photo galleries, video features, mobile WAP site, and third-party gadgets. Provide technical support for usability issues and critical site problems, as needed.

Hear Me

Freelance Web Designer

September 2000 - October 2005 (5 years 2 months)

Lead designer and developer for web sites and promotional media for small businesses. Utilized contemporary design to create concise web sites for specific client needs. Site creation included use of CSS, HTML, JavaScript, MySQL, Adobe Flash, PHP, online payment features, and form processing. Created and assembled web graphics, including logos and advertisements. Designed email blasts and newsletters for site launches and event announcements. Extensive use of Java, AJAX/JavaScript, SQL, and Unix shell scripting required. Assisted with proof-of-concept reviews and stress testing.

Self employed

Privateer

January 1988 - April 2000 (12 years 4 months)

Went on a Sabbatical and Freelanced.

Education

Stanford University

AI, Machine Learning · (2012 - 2013)