Yen Kha 📍 ✉ ykrunner@gmail.com | 🔗 [Linkedin](#) | 🔗 [Personal Portfolio](#)

SUMMARY

Transformational technical leader with experiences in cloud computing, AI/ML platforms, and software engineering. Passionate about designing, building, and optimizing scalable, secure infrastructure that drive business value and innovation

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EXPERIENCE

InnerSource Commons Foundation - Core Contributor (*November 2024 - Present, 4 Months*)
- Co-founding a podcast by amplifying women in tech, and industry leaders to drive inclusivity and innovation.
- Democratizing reusable open source patterns and best practices for 3,000+ contributors and 800+ global organizations in the new Gitlab framework.
- Building a web platform for podcast content delivery, expanding InnerSource Commons' presence.

Stanford University Legal Informatics (CodeX) Special AI Working Group – Founding Engineer (*August 2024 - Present, 7 Months*)
- Architecting a scalable Legal AI platform using LLMs, MLOps, FastAPI, and cloud-native technologies (Akamai, Docker, CI/CD) for *Justice for All* initiative.
- Driving the convergence of transformer-based LLMs, enabling the democratization of AI legal innovation through tokenization and entity recognition.

Marsh McLennan – Lead Data Platform Engineer (*March 2023 - November 2024, 2 years*)
- Founded and led a team of 6 data engineers to develop a scalable Enterprise Cloud Data Platform (ECDP), supporting 88,000+ users across AWS and Azure.
- Developed Databricks Delta Lake MVP with Terraform automation, scaling to 500+ users in 2 months, enabling enterprise-wide data sharing.
- Spearheaded enterprise-wide IaC implementation across Databricks, AWS and Azure, securing buy-ins from 15+ leaders within 6 months, reducing infrastructure provisioning time by 100%.
- Co-led the development of an in-house Generative AI data streaming tool, advancing data science capabilities of shared data for 2,000+ users.
- Developed a backend platform to streamline API services for Okta, Databricks, and Vault using FastAPI and Kubernetes, reducing incident request oversight by 25% and resolution time from 2+ days to under 1 hour.
- Drove strategic collaboration across cloud platforms, data science, and engineering teams, influencing leadership to advancing AI and ML innovation.
- Built a scalable CI/CD deployment with Terraform and Terragrunt, achieving 99.9% deployment success and 50% faster deployment times.
- Established MMC's first global data governance framework, transforming data security and privacy standards across 10+ subsidiaries in under 4 months.

Axios Inc. – Senior Data Engineer (*August 2021 - July 2022, 1 Year*)
- Spearheaded data engineering efforts, leading the migration and implementation of a scalable Airflow data platform, increasing data throughput by 75%.
- Designed and built scalable ETL data pipelines, integrating 5+ APIs from platforms like Stitch, Stripe, and Segment, reducing ingestion latency by 50%.
- Streamlined data processing by 40% through strategic refactoring of 3+ complex AWS Batch & Lambda jobs, improving overall data transformation efficiency.
- Mentored junior and QA engineers, driving improvements in code quality and team performance.

Nike Inc. – Senior Data Application Engineer (*June 2018 - August 2021, 3 Years*)
- Collaborated on AWS cloud migration to scale AI solutions, enabling enterprise-wide analytical capabilities across 5 data squads.

- Spearheaded Python 3 migration for 3,000+ lines of legacy code, achieving 75% performance gain and driving over $25 billion in revenue growth for Retail and Wholesale.
- Streamlined data ingestion from 5+ backend apps, boosting data quality by refactoring 80% of Python utilities into reusable modules.
- Transformed 20+ batch processes from on-premises, cutting latency by 60% and accelerating business intelligence for wholesale and retail pricing.
- Centralized data repositories for Nike Data Foundation, implementing dozens of dynamic data pipelines and reducing development effort by 50%.

Sparq – Senior Data Scientist | Data Architect (*September 2017 - May 2018, 1 Year*)
- Transformed engineering team dynamics by fostering collaboration, resulting in a 30% surge in productivity.
- Designed and delivered customized ML solutions for 6 clients, incorporating key ML modeling features, driving a 20% increase in business value.
- Implemented web scraping API features from Google, Twitter, and Quandl to increase clients analytic consumptions.

PROJECTS

Pioneering Legal AI Innovation with LLM: Transforming access to justice by harnessing innovations in tokenization, Retrieval-Augmented Generation (RAG), and Large Language Models (LLMs) to revolutionize legal research, contract analysis, and informed decision-making.

Experimenting Scalable Web Apps with Golang: Pushing the boundaries of Golang to build high-performance, scalable web applications for innovation and growth.

PUBLICATIONS AND TALKS 📚

- **Acknowledged Contributor, ICAIL 2025 (pending publication), "***Alternative Indicators: A New AI for Law - Using Variational Free Energy to Measure the Outcome Viability of Legal Cases"*. Contributed to technical research, engineering insights, and LLM model evaluation.
- **Speaker, CodeX FutureLaw, Stanford University, April 2025 (accepted),** *"Access to Justice for All, leveraging AI Modeling"*

EDUCATION

🎓 **B.S. Applied Statistics & Mathematics | B.S. Psychology** – University of New Mexico
🏆 **Award for Excellence:** "Outstanding Applied Statistics with Honors" (top award among over 200 students)

TECHNICAL SKILLS

🖥️ **Programming & Data:** Go, PostgreSQL, Python, Spark, Terraform,Terragrunt
☁️ **Cloud & DevOps:** Airflow, AWS, Azure, Datadog, Docker, GCP, Vault, Jfrog Artifactory, Kubernetes, Rancher
📊 **AI/ML & APIs:** GraphQL, HuggingFace, Kafka, LLMs, REST
🔧 **Tools & Frameworks:** Caddy, FastAPI, NGINX

LEADERSHIP & COMMUNITY IMPACT 🌍
Enterprise and Diversity and Inclusion Leadership
- **LLM x Law Hackathon - CodeX:** Launching the first LLM AI platform competition to 10+ top Venture Capitalists to transform access to justice.
- **Founder & Chair - Women in Tech (eWiT) - Nike**: Led female leadership committee, empowering women in tech with seminars (200+ attendees) and innovative demos (10+).
- **Black Girls Code Hackathon Top 5 Finalist - Nike:** Mentored 7 young Black female students to develop a mobile app in Scratch, promoting STEM.
- **Global and Core Engineering Committees - Nike**: Led 450+ engineers, driving 33% innovation adoption and fostering inclusive, mentorship-driven teams
- **API Standards Committee - Nike:** Spearheaded API modernization by containerizing Jira services with automation, impacting 1000+ engineers.