Nicholas Osaka

linkedin: nicholasosaka
nicholas.osaka@gmail.com
(704) 649–1783

SKILLS

Infrastructure (Cloud): AWS EMR, EC2, ECS, S3, IAM, VPC, Lambda, KMS.

Platform Engineering: Terraform, Ansible, CI/CD, Linux Administration, Docker, Splunk, Dynatrace.

Data Engineering: Python, SQL, Tableau, Git, Bash, Hadoop, Spark, Data Warehousing.

Architecture: High-Availability patterns, Event-driven architecture, Semantic modeling, Research and conference experience.

PROFESSIONAL EXPERIENCE

Data Platform Engineer   Aug 2024 – Present
The Hartford

– Architected multi-region disaster recovery & resiliency patterns for the big data platform ecosystem, including persistent and transient EMR clusters, EMR Serverless, and platform application EC2 instances.

– Driving several platform-wide initiatives, including platform version upgrades and migrations to open-source Python tooling.

– Platform engineer for a big data processing ecosystem consisting of 2+ 45+ node AWS EMR clusters running continuously, on-demand transient clusters, and 35+ Linux EC2 instances serving over 1500 users across 350 unique applications.

– Mentoring and providing training to an associate-level team member on a 1 year rotation through our team.

– Managed a team of 4 interns, providing guidance for an observability & monitoring project (leveraging Dynatrace and Splunk) that supported 3 teams.

Technology & Operations Leadership Development Program Associate   Aug 2022 – Aug 2024
The Hartford

– Two year-long rotations in Data Platform Engineering and Solution Architecture teams.

– Enabled Amazon EMR Serverless functionality for internal customers, estimated ∼50% reduction in job run time and ∼30-40% reduction in compute spend.

– Led fact-finding and feature-definition meetings with key business and technical stakeholders to ensure deliverables pointed to appropriate solution for the business.

– Drafted architectural artifacts and deliverables through collaboration with senior architects and technical leads.

EDUCATION & CERTIFICATIONS

M.A.	Ethics and Applied Philosophy, University of North Carolina at Charlotte	2024
	Thesis: *Hermeneutical Dilution in Large Language Models: Epistemic Injustice, Language, and Statistics*	
B.S.	Computer Science (*summa cum laude*) with a minor in Mathematics, Univ. of North Carolina at Charlotte	2022
B.A.	Philosophy (*summa cum laude*), University of North Carolina at Charlotte	2022

Amazon Web Services Certified Solutions Architect Associate (AWS-SAA-C03), verification upon request.

Amazon Web Services Certified Cloud Practitioner (AWS-CLF-C02), verification upon request.

HashiCorp Terraform Associate (HCTA0-003), verification upon request.

SPECIAL PROJECTS

AI Ethics Advisor   Nov 2023 – May 2024
AI 2030, Encode Justice

– Delivered feedback and policy suggestions on preliminary drafts of Encode Justice's AI 2030 policy platform.

– Identified key signatories in the ethics and AI ethics disciplines to garner support during critical delivery window.

– Final published platform has been featured in CNN, Fortune, TIME, South China Morning Post, and the Washington Post.