

Farid Nouri Neshat

contact@faridnsh.ninja | github.com/faridnsh | iq.aws.amazon.com/e/faridnsh | faridnsh.ninja | linkedin.com/in/faridnsh

Core Competencies

- **Cloud & Architecture:** AWS (Compute, Containers, Serverless, Networking, Storage, Databases, Security, Cost Mgmt, Analytics, Application Integration), Multi-Account Strategy, Landing Zones(managing 200+ accounts), Well-Architected, High Availability, Resilience, Disaster Recovery
- **Platform & SRE:** Reliability Engineering, Observability Enablement, Alerting Design, Capacity & Performance Engineering, Toil Reduction, Runbook Creation, Chaos / Resilience Testing, Incident Management, Post-Mortems (5 Whys)
- **Security & Governance:** Least Privilege IAM, Data Perimeter / Egress Controls, Threat Modeling, Network Segmentation, Hardened Images, Ingress Security (WAF, DDoS), Compliance Alignment
- **Infrastructure as Code & Automation:** Terraform, AWS CDK, CloudFormation, Ansible, Packer
- **Programming:** Python, Javascript, Typescript, Performance Optimization, API & Integration Engineering
- **Networking:** VPC Design, Transit Gateway, Direct Connect, PrivateLink, Multi-Layer Ingress, DNS & Routing
- **Containers & Serverless:** AWS ECS, Docker, Lambda, Step Functions
- **Data & Analytics Platforms:** Redshift, ETL with Glue/Lambda/Step Functions, Athena
- **Optimization & FinOps:** Cost Governance, Rightsizing, Usage Attribution, Performance Tuning, Scaling Strategy
- **Collaboration & Leadership:** Cross-Functional Architecture Reviews, Mentoring, Interviewing, Developer Enablement, Technical Writing

Professional Summary

AWS Cloud Solutions Architect / Platform & Site Reliability Engineer with 10+ years spanning full-stack development, large-scale AWS platform engineering (200+ accounts), infrastructure as code, automation, secure multi-account architectures, serverless & containerized systems, and reliability / cost optimization. Blend of deep hands-on engineering (Python, Node.js, TypeScript, Terraform, CDK) and architectural leadership (governance, security controls, ingress design, data perimeter, threat modeling, resilience). Proven record enabling developer autonomy, reducing toil through automation, improving performance (10–50× speedups), shrinking latency & costs, and uplifting observability, security, and compliance in regulated environments. Thrive on complex, ambiguous challenges requiring both strategic design and low-level implementation.

Certifications

AWS Solutions Architect – Professional
AWS DevOps Engineer – Professional
AWS Solutions Architect – Associate

AWS Developer – Associate
AWS Database – Specialty (Expired)
AWS Data Analytics – Specialty (Expired)

Cloud Engineer – ABN AMRO Clearing *May 2023 – Aug 2025*

- Engineered and operated AWS landing zone/platform: secure defaults, automated account onboarding, least-privilege IAM patterns enabling team autonomy.
- Designed and led implementation of data perimeter controls to prevent credential misuse and data exfiltration.
- Architected multi-layer secure internet / extranet ingress (zoned firewalls, DDoS & application protection) approved by security stakeholders.
- Built automation (Python Lambda, Step Functions) integrating networking, IAM, and platform services to eliminate manual toil.
- Conducted threat modeling of landing zone with security specialists.
- Automated IAM integration for new accounts with on-prem identity platforms.
- Maintained hardened RHEL AMI bakery; managed Splunk stack on EC2; enforced patch/security baselines.
- Performed Disaster Recovery plan reviews and executed resilience / chaos tests.
- Ensured monitoring & alerting coverage and drove ongoing AWS cost optimization.
- Interviewed applicants for new potential joiners and mentored new team members.

Owner / Freelancer – Cloud Ninja *Jan 2023 – Present*

- Short engagements: architecture, security, IAM hygiene, automation, performance, cost optimization.
- Site reliability engineering for Lively Media Group: elastic, self-healing infrastructure with proactive alerting and low latency.
- Qlink: automated ECS service and PostgreSQL infrastructure deployments (AWS CDK); business workflows via Step Functions.
- Phluent: serverless ingestion & analysis (Lambda + PostgreSQL) processing ~2M events per day.
- Migrated neural-net Python workload to Lambda + Step Functions for scalability and reliability.
- Performance improvements: Matlab → Python rewrite (10×), vectorization (50×), MySQL report queries (100s sec → <1 sec P99).
- MySQL 5→8 upgrades; secure automated recovery of inaccessible Git repository.

Senior Cloud Infrastructure Engineer – Helecloud *Aug 2019 – Dec 2022*

- Co-built serverless data lake (Lambda Java/Spring, Glue Python, Step Functions, Athena) with Prometheus & Grafana observability.
- Delivered Well-Architected and deep technical reviews (security, reliability, performance, cost).
- TomTom Cloud Center of Excellence: supported ~200 AWS accounts & Azure usage; IAM onboarding automation; networking automation (Transit Gateway, Direct Connect); Redshift cost & usage platform (PowerBI, Grafana, Superset); migration design to IAM Identity Center via Azure AD.
- Authored Glue/Lambda ETL jobs; instrumented Lambda functions with OpenTelemetry.
- Prepared migration plan for MS SQL-backed high-performance computing system (Coventry Society Bank).
- SRE / Systems Engineer for Praxis & Brico e-commerce: ~20 services on ECS + EC2 monolith; IAM, networking, DB deployments, CI/CD, WAF & DDoS mitigation; improved reliability of Ansible deployment; troubleshooting via ELK (Logz.io) & Splunk APM; structured post-mortems (5 Whys).

Senior Consultant – Olindata *Jul 2017 – Aug 2019*

- KPN: developed Node.js microservices (Puppet, Splunk, MongoDB, cloud APIs) on Kubernetes; extended Puppet codebase; authored Terraform provider in Go; automation in Ruby, Python, Bash, PowerShell; ELK observability.
- Managed company AWS infrastructure (Terraform, Packer). Built Slack chatbot tooling.
- Exodus (crypto wallet): platform support for Kubernetes workloads in EKS (blockchain nodes, indexers, explorers) with Prometheus/Grafana monitoring; executed resilience tests; built Tezos indexer (Node.js + PostgreSQL RDS).
- Interviewed applicants for new potential joiners and mentored new team members.

Software Engineer – Flightoffice *Dec 2011 – Jul 2017*

- Built high-performance reporting server (SVG → PDF).
- Led code reviews and mentoring; implemented automated testing across unit, integration, system, and E2E layers.
- Worked with CouchDB, MongoDB, Redis, MySQL, PostgreSQL.
- Backend APIs (LoopBack / Node.js); frontends (KnockoutJS, AngularJS, KendoUI).
- Developed a configurable flight duty time compliance engine.
- Implemented document management (S3) and scheduler UI; performance tuning across stack.
- Interviewed applicants for new potential joiners

Community

- 250+ StackOverflow answers (~30K reputation, 4.8M views)
- Conference & meetup talks

Education

B.Sc. Computer Science – University of Nottingham (2014 – 2017)

- Two-time Dean's Excellence Scholarship (top 10%).
- Final Project: Interactive 3D liver segmentation (Matlab, graph cuts).
- Team Project: Android turn-by-turn navigation app + Java Spring backend.

Cambridge A Level Programme – Taylor's College (2013 – 2014)

- Vice President, Computing Technology Club; organized events; delivered JavaScript workshops.

Languages

English (Full Professional) · Persian (Native) · Dutch (Elementary)