Kenan Jasim

Software Engineer at Aalyria · London, UK

me@kenan.sh · kenanjasim.com · github.com/kenanjasim · linkedin.com/in/kenanjasim

I'm a software engineer who enjoys working across the stack, with a focus on backend systems and optimisation problems. I'm currently at Aalyria, working on Spacetime, a platform that manages and optimises communications networks spanning land, sea, air and space.

Experience

Software Engineer · Aalyria

Jan 2026 – Present · London

Developing Spacetime, a platform to manage and optimise complex, highly dynamic communications networks that span land, sea, air and space. Aalyria was spun out of Google's Loom project.

Senior Software Engineer · Safe Intelligence

Apr 2025 – Dec 2025 · London

Developed a large distributed platform for the formal verification of machine learning models, with applications in finance and object detection.

- Built the full DevOps pipeline to deploy the platform, using Tilt, Docker, Kubernetes and Terraform on AWS.
- Extended the verification platform to support images, adding verification of image classification models.
- Took on leadership across the team: connecting people, leading meetings and scheduling design sessions.

Senior Software Engineer · Crypto Quantique

Jun 2022 – Apr 2025 · London

Developed a distributed universal IoT platform focused on secure onboarding and device management.

- Lead backend engineer on a distributed system across Python (Django) and Go, with MongoDB, deployed on AWS and Azure.
- Rewrote and optimised the platform API, making it 10–30× faster.
- Led the design, planning and implementation of new services, including writing the features and user stories for them.
- Improved the maintainability, performance and reliability of legacy codebases; led code-quality initiatives such as onboarding projects into SonarQube.
- Designed and implemented functionality involving Embedded Linux, TPMs, MQTT, FOTA updates, HSMs and highly threaded virtual devices.
- Worked across teams to push for better infrastructure, cleaner architecture, and better coding practices and standards.
- Onboarded, trained and mentored members of the team.

Full-stack Software Engineer · Konica Minolta

Oct 2020 – Jun 2022 · London

Full-stack engineer on two Innovate UK funded projects focused on cloud and industrial IoT orchestration.

- Researched and developed a cloud-native architecture for an IoT platform that detects remote devices and connects them to cloud-hosted virtual machines.
- Built a network scanner, backend REST API, frontend GUI and CLI, using Linux networking (VXLAN) and a VPN to detect devices across physical networks.
- Developed remote device detection for an inter-department project providing box defect detection services.

Hybrid Cloud Developer (Internship) · Konica Minolta

Mar 2020 – Aug 2020 · London

Researched and prototyped cloud orchestration solutions with the global R&D team, contributing to a successful Innovate UK application.

Full Stack Developer / Electronic Engineer · SiriusInsight.AI

Mar 2019 – Oct 2019 · London

Contributed to a maritime detection prototype providing data streams from camera feeds, mobile antennas and radar. The system was deployed to a maritime light vessel as part of an EU Horizon funded proof-of-concept demonstration.

Teaching Assistant · King's College London

Sep 2019 – Dec 2019 · London

Supported first-year undergraduate labs: supervised workshops on circuit design, construction and experiment tracking, and gave students feedback and troubleshooting help.

Skills

Languages	Go, Python, Bash, TypeScript (React), C
Infrastructure	Kubernetes, Docker, Terraform, Ansible, Jenkins, Git, Linux & networking
Cloud	AWS, Azure, OpenStack
Data	PostgreSQL, MariaDB, MongoDB, etcd
Spoken	English (native), Arabic (fluent)

Selected projects

Geranium

An automated, visualised virtual network for generating network data, used to train a decision-tree intrusion detection model.

Project report (PDF)

vngen

Automated virtual network generation in Go, using QEMU virtualisation with KVM hardware acceleration.

Glucose Helper

An Android app to help people with diabetes monitor their blood sugar and keep control of their own data. My first programming project.

Education & certifications

BEng Electronic and Information Engineering — First Class (88%) King's College London · 2017 – 2020

John Oriel Prize (top in exam) and Engineering Society Centenary Prize (top in exam after three years).

Certified Kubernetes Administrator (CKA) Linux Foundation · Mar 2022 – Mar 2025

Volunteering

Evening Kitchen Volunteer · Sufra Aug 2026 – Present

Support Sufra's evening community kitchen in Brent, which serves free, freshly cooked hot meals to local people.

Refugee Casework Volunteer · British Red Cross Jan 2019 – Jan 2021

Helped asylum seekers and refugees with asylum support, destitution support, general advice and family reunion.

Interests

Running, Football, Snooker, Photography, Music, Reading