# LUCAS KHAN

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## SUMMARY OF QUALIFICATIONS

- Backend engineer who likes small, well-tested services and clear runbooks.
- Experience across 3 employers, most recently as Senior Software Engineer at Quayside Digital.
- Comfortable owning a service end to end: design, build, deploy and on-call.
- Known for clear communication with colleagues and for following work through to the end.

## EDUCATION

**Trinity College Dublin** — **Dublin**
*BSc Computer Science* — *2016*

## PROFESSIONAL EXPERIENCE

**Quayside Digital** — **London**
*Senior Software Engineer* — *Oct 2024 – Present*

- Built and maintained REST APIs used by 38 internal teams and two mobile apps.
- Built a feature-flag system so risky changes could be switched off without a deploy.
- Cut p95 response time on the checkout service from 900 ms to 240 ms by reworking queries and caching.
- Worked with product managers to break large features into weekly releases.
- Mentored two junior engineers through their first production releases.
- Designed the schema and tuned slow queries on our PostgreSQL database.

**Kestrel Cloud** — **London**
*Software Engineer* — *May 2022 – Oct 2024*

- Designed the event model for order tracking and reviewed every schema change with the data team.
- Paired with the security team to remove secrets from config and rotate keys automatically.
- Wrote integration tests and contract tests; raised coverage on the core service from 41% to 78%.
- Added structured logging and tracing so incidents could be traced across services in minutes.

**Lumen Health Tech** — **London**
*Junior Software Engineer* — *Oct 2019 – Apr 2022*

- Ran on-call for the payments platform and wrote the incident runbooks the team still uses.
- Reduced cloud spend on staging by shutting down idle environments overnight.
- Wrote the design doc for the new search service and ran the review with three teams.

## PROJECTS

**Open-source rate limiter library (side project)**

- Planned and delivered it alongside day-to-day work, with a written plan and agreed success measures.
- Shared the results with the wider team and kept the documentation up to date.

**Hackathon: real-time bus tracker**

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- Shared the results with the wider team and kept the documentation up to date.

## RESEARCH & PUBLICATIONS

**Lessons from shift scheduling** — **2026**

- Short paper shared internally and at a local meetup.

## TECHNICAL SKILLS

Languages & tools: Node.js
General: Git, Docker, Linux, REST APIs, CI/CD
Languages: English (Fluent), German (B2)

## CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Scrum Fundamentals

## EXTRA-CURRICULAR ACTIVITIES

- Organiser of a monthly running club with around 30 members.

- Volunteer at a local food bank twice a month.
- Member of a community choir.

## REFERENCE

Noah Rossi
Head of Operations, Tidewater Apps
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