



Based in San Francisco



## EDUCATION

### BSC ELECTRICAL & COMPUTER ENGINEERING

2016 – 2019 · University of Cape Town

- Graduated with First Class Honours as the top BSc(Eng) student.
- Awarded the prize for the best final-year thesis.

## SKILLS

### LANGUAGES & TOOLS

Go, Python, SQL, Git, Docker, gRPC

### DOMAINS

Distributed systems · P2P networks · event-driven systems & pipelines · protocol design · database migrations · code review at scale

### AGENTIC WORKFLOWS

Daily use of local parallel coding agents (Codex, Claude) · designing features and steering agents through implementation

*Outside of work, you can find me in the mountains, looking for rocks to climb, photo hunting, practicing calisthenics, or spending time with friends.*

Contact me for references.

# Elle Mouton

## Backend Software Engineer

## About

I am a backend engineer with 5+ years building production-scale distributed systems. My work spans event-driven microservices serving millions of users and protocol-level upgrades to large, live peer-to-peer networks. I thrive in small, fast-moving teams with high ownership and high engineering standards.

I'm especially interested in agentic loops, building experiences, flows, and tools for both developers and non-developers, AI, and event-driven systems.

## Experience

### ⚡ Lightning Infrastructure Engineer | Lightning Labs

2021 – Present

- Top contributor to [LND](#), the most widely-deployed Bitcoin L2; lead developer-tooling work on [Lightning Node Connect](#) and [Lightning Terminal](#).
- Shipped protocol upgrades and large database migrations safely across a live peer-to-peer network of thousands of nodes; leading the multi-PR [epic](#) moving LND's graph database to SQL.
- Delivered significant performance improvements — e.g. [~28x on a graph query](#) and [~400x on a filter sync](#).
- Authored public protocol specification extensions ([BLIP-0039 gossip protocol BOLT extension](#)).

### 🌀 Software Engineer | Luno

2020 – 2021

Backend engineer on the crypto-operations team. Worked in Go on event-driven microservices handling high cryptocurrency volumes for millions of users.

## Writing

Deep-dive technical posts on Bitcoin and Lightning Network internals, widely read across the community. [ellemouton.com/articles](https://ellemouton.com/articles) →

## Public Appearances



Advancing Bitcoin, London



Connect The World Podcast



The Chaincode Podcast



Bitcoin Optech Podcast



Bitcoin Optech Podcast



Bitcoin++ Brazil