Jack Kleeman

Email: cv@kleeman.dev
Born: July 20, 1997
Nationality: British

Education

2015-2018	St Catharine's College, Cambridge - Economics
	First class, ranked 9th/151

Work Experience & Career

2021-	Partner at Index Ventures, investing in developer tools, infrastructure and security.
2020-2021	Site Reliability Engineer in Apple's Cloud Infrastructure org. Led a team managing petabyte-scale distributed storage on Kubernetes.
2018-20	Senior Engineer on the Infrastructure team at Monzo, where I specialised in Kubernetes, Calico, Envoy and Vault on AWS. My highlights were leading projects on secret distribution, certificate management, network isolation, and Cassandra authentication.
2017	Five weeks as a Backend Engineering intern for Monzo, building fraud detection tools using Go microservices and Cassandra, as well as front end work in React.
2017	Two months as an Undergraduate Research Fellow at Caltech in the Social and Information Sciences Laboratory, studying algorithmic game theory. I completed a project on search costs in decentralised markets.
2016-17	CTO of Duo Money, working on a client-side cryptography application allowing for OpenBazaar operation in the browser using Go and Javascript.
2016-17	Six months at Everledger as a developer, working on blockchain applications in Go, as well as on Android apps and Python web applications.

Recent Projects

Open source work. I am an org member of the Kubernetes and Istio communities. I am also a Hashicorp core contributor, focusing on Vault.

egress-operator, a Kubernetes operator which helps to control traffic leaving your platform using ephemeral Envoy gateways.

Cassandra authentication, a Vault plugin and associated tooling to issue and rotate tightly scoped Cassandra credentials for hundreds of services.

Network isolation, a Kubernetes network policy system which tightly isolated thousands of services.

calico-accountant, a Prometheus exporter for the Calico data path, to help with testing network policies.

Secret distribution, a system which completely overhauled the way secrets are stored and managed at Monzo, using Vault.

envoy-preflight, a wrapper which solves a sequencing problem when writing Kubernetes applications with an Envoy sidecar.