Kevin Mahoney

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WRITING

I have a collection of articles on my website that are sometimes popular on *Hacker News* and *Reddit*.

Popular articles include "My Principles for Building Software" and "Make Invalid States Unrepresentable".

WORK HISTORY

FeatureSpace / VISA

🛗 September 2023 - 🚨 Senior Engineer, Team Lead

DevOps for an AI fraud detetction company acquired by VISA. I helped with building out the infrastructure for their next generation product and attaining PCI compliance.

AWS, Terraform, ArgoCD

Causal

🛗 May 2021 - June 2023 🔒 Data Team Lead

I was the seventh person to join this small financial modelling startup. I built out their data integrations and improved the evaluation engine by moving analytical data from PostgreSQL to Clickhouse, improving evaluation speeds for some models from 60s to 2s.

TypeScript, React, Go, Clickhouse, PostgreSQL.

OVO Energy / Kaluza

I was one of the founding members of one of OVO's autonomous internal teams, responsible for aggregating charges and industry compliant billing. I had a significant influence on the architecture, technologies and process used by this team.

Scala, PostgreSQL, Kafka, Kubernetes, Terraform.

Mobile Vikings

🛗 2014-2017 🚨 Contractor

A mobile virtual network operator based in Hasselt, Belgium. I contracted with them for a few years helping them to build their marketing and SIM management site.

Django, Javascript, C, MySQL, PostgreSQL.

GoCardless

🛗 2012-2014 🎍 Senior Engineer

I was the tenth hire at this YCombinator-backed, London-based payments startup.

Ruby on Rails, PostgreSQL, Chef.

MapleCroft

2009-2012

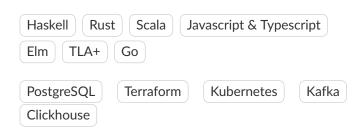
Builing bespoke risk analysis dashboards for large multinational companies.

Django, Javascript, MySQL.

STRENGTHS

- A wide knowledge of technologies.
- A deep knowledge of functional programming, type systems and databases.
- A focus on communication and high quality technical writing.

TECHNICAL SKILLS



Technologies I haven't used for a while, but can quickly get up to speed with:



PROJECTS

I enjoy working on personal projects outside of work, many of which are on my GitHub profile. I have a particular interest in small domain-specific languages and database technologies.

Kuljet

☑ kuljet.com

Kuljet is a happy little language for writing databasebacked HTML applications.

Ocellator

kevinmahoney.co.uk/ocellator

A structural editor for writing synths with a lispy flavour.

Squee

☑ github.com/KMahoney/squee

Squee is an experimental language that breaks relational queries down in to composable functions.

Ocell

kevinmahoney.co.uk/ocell

A structural editor for writing cell-based programs.