Kevin Mahoney

Software Developer

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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

Causal

📅 *2021-2023*

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)

📅 *2018-2021*

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.

Kevin Mahoney Limited
Mobile Vikings (client)

📅 *2014-2017*

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*

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 multi-national 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.
- Decades of experience that can help you make the right call.

TECHNICAL SKILLS

Haskell Rust Scala Javascript & Typescript
Elm TLA+ Go

PostgreSQL Terraform Kubernetes Kafka
Clickhouse

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

Ruby Rails Python Django C

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 database-backed 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.