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-present*

I was the seventh person to join this small startup looking to reinvent how we use computers to work with numbers.

Working full-stack with TypeScript, React and Go.

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.

In developing a next generation energy billing system I used a wide range of technologies including Scala, PostgreSQL, Kafka, Kubernetes and 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.

Their stack was mostly Django-based, but I also worked with Javascript, C, MySQL, PostgreSQL and Docker.

GoCardless

📅 *2012-2014*

I was the tenth hire at this YCombinator-backed, London-based payments startup. I mostly worked as a back-end Rails developer for their direct debit platform, but did a little front-end and DevOps with Chef too.

MapleCroft

📅 *2009-2012*

Maplecroft is a small global risk analytics company. I worked as a full stack developer using Django and Javascript, designing bespoke risk analysis dashboards for large multinational companies.

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

Haskell · Rust · Scala · Javascript & Typescript · Elm · TLA+

PostgreSQL · Terraform · Kubernetes · Kafka

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. Its type checking and integration with relational databases should help you whip up prototypes in no time.

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 that can be fully inferred with a few extensions to Hindley Milner. It compiles to SQL and so can be used with relational databases.

Ocell

↗ kevinmahoney.co.uk/ocell

A structural editor for writing cell-based programs.