

## SOFTWARE ENGINEER

Functional Programming  
Frontend / Backend  
[vincent@cmdv.me](mailto:vincent@cmdv.me)

# VINCENT ORR

Bright Enthusiastic hard working developer, with a key need to be continuously learning and mentally challenged.  
A knowledge sharer / teacher and active open source contributor, as well as a speaker at various tech events.  
Highly driven to improve and expand core knowledge.  
Excellent problem solving skills, fast learner and a strong team member.

0.1

## EDUCATION

**2000** **BACHELORS DEGREE**  
**2003** **MULTIMEDIA TECHNOLOGY**  
Leeds Metropolitan University  
UK

## 0.2 WORK EXPERIENCE

**2019** **ID3AS LTD**  
**2020** Purescript, Software Engineer  
UK

Building a visual analytics frontend for a distributed network created as part of a cdn specialised for live streaming.  
The system dealt with consuming, decoding encoding video as well as exposing it to the rest of the network. Also built using Purescript version called Purerl which compiles to Erlang.

**2018** **INCHORA LTD**  
**2018** Haskell, Software Engineer  
UK

Working on a letting agent application built using Haskell (Yesod) as a backend and primarily React for the frontend. A new team was created from the ground up working on an inherited 6 year old application. I had to introduced plenty of procedures to make the project run smoothly. With aspects such as a testing framework, prioritisation of issues via a board, pairing with new devs to help introductory period due to being a distributed team. On the technical side there has been plenty of learning with all aspect of Haskell in production code.

**2018** **SKY**  
**2018** Software Developer  
UK

Working in an agile environment across the Sky digital estate. Primarily working on JavaScript and Ruby applications, looking after all aspects of an app from testing, coding, deployment, performance and bug monitoring. Introduction of Functional Programming guild, Machine Learning guild to help others learn on these subjects. Continuous application integration from business requirements, tech debt and innovation. Experimented with a machine learning data layer to help best predict various elements that should be displayed to users via categorisation and historic/current journeys.

## 0.4 ACHIEVEMENTS

**Author of PureScript Course:** <https://egghead.io/instructors/vincent-orr>

**OSS projects:** PureScript / RxJS / CycleJs / Most

**Youtube Channel:** <https://www.youtube.com/channel/UCbKpj2hZ0CFXLatyx615JNw>

**Public speaking on programming:** <https://www.youtube.com/watch?v=v2bknh5ridY>

**Blog Posting:** [https://medium.com/@\\_cmdv\\_](https://medium.com/@_cmdv_)

## 0.3 LANGUAGES / TOOLS

**Purescript | Haskell**



**Javascript | Typescript**



**CSS | SASS**



**Postgres | SQL**



**Nix | Bash**



**Python | Erlang**



**PHP | Ruby**



**2018** **BANYUAN INFRASTRUCTURE**

**2019** Haskell, Software Engineer  
San Francisco

Building a financial accounting application for the Greentech industry that stored all of its transactions on the blockchain. The role was as a full stack developer working on a Haskell (Yesod) backend API, VeuJS frontend, communicating with Corda blockchain. Ingesting and parsing email with csv/pdf/linked content.

**2017** **PRECOG (formerly Slamdata)**

**2018** Haskell, Software Engineer  
Colorado

Developing a frontend of a complex data visualisation application built in Purescript. The whole project was a purely functional stack, dealing with complex abstractions from a Scala backend. Working in a distributed team with plenty of learning achieved in functional programming subjects such as, type systems, category theory and functional design patterns.

A big part of the role was UX/UI design, trying to improve the user journey/ experience by ironing out the unneeded complexities users were facing with functionality as well as create new ideas towards making the application more usable.

## 0.5 INTEREST

OSS | FUNCTIONAL PROGRAMMING | MACHINE LEARNING | NATURAL LANGUAGE PROGRAMMING | USER EXPERIENCE / INTERACTION  
LEARNING MATHEMATICS | PUBLIC SPEAKING | SKATEBOARDING  
MUSIC PRODUCING | FILM MAKING | PHOTOGRAPHY

## 0.5 SOCIAL

