Phil de Joux - Software Developer

Educated in Computer Graphics 1996, Mathematical Modeling BSc Hons 1993/5 and Medicine 1982/5.
Has built software with environmental and global positioning data, video and scientific models.

<Haskell>

U $ 2022/07–2023/08 **FPComplete** ☞ Maintain a large Haskell codebase with Updo, tooling I developed for generating projects and progressive upgrading.

B † 2021/12–2022/03 **Plugins for Blobs** ☞ Type check units of measure with SMT solving.

F † 2017/04–2020/12 **Flare Timing** scoring flying competitions ☞ Ask how to interpret rules typesetting them in LaTeX. Develop a reference implementation. Publish comparisons of implementations.

<F#, Elm & SQL>

C $ 2021/06–2021/10 **Compositional** ☞ Review slides, demos and labs of SAFE Stack training.

B $ 2021/02–2021/03 **Bracco** ☞ Prototype an app for interpreting contrast-enhanced ultrasound.

A $ 2014/02–2017/04 **Aqualinc Research** monitoring breaches of regulated levels of water take and pollutant discharge ☞ Design a database schema, unmunging and migrating data. Pull and cache metadata from **Hilltop**. Expose web services over relational and time series data. Develop web apps for admins and farmers. Pull data and emit LaTeX to typeset PDF reports.

G $ 2012/07–2012/12 **Tagly** ☞ Develop server and browser components of a live feed.

P # 2012/06–2015/11 **Apress** Expert F# books ☞ Technical review of editions 3 and 4.

V # 2011/08–2015/10 **Travieo** ☞ Develop a travel booking website.

<C# & SQL>

C # 2012/08–2013/02 **Cactus** ☞ Scope upgrading a production planning system for factory operations.

L $ 2008/01–2011/08 ***CropLogic*** ☞ Port, tune and test a discrete event simulation crop model with scientists. Ingest field and weather data. Develop a website for growers to setup their soil profile, cultivar, irrigation and fertilizer applications, recommend inputs and predict yields from async model runs.

D # 2007/12–2011/04 **WDC** ☞ Automate accepting public submissions and scheduling hearing time slots.

N $ 2003/07–2008/05 **NutriCentre** ☞ Develop an online store.

W # 2003/06–2007/07 **NIWA** ☞ Develop EDENZ, a website for publishing environmental time series data.

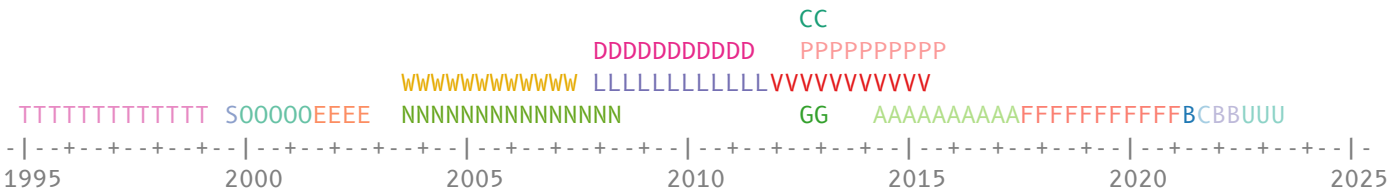
<C++>

E $ 2001/08–2002/09 ***Aspelle*** ☞ Develop authentication and authorization parts of a security product.

O $ 1999/10–2001/03 ***Obvious Technology*** ☞ Develop a product searching video via annotated key frames.

S $ 1999/07–1999/09 **Software Migrations** ☞ Develop a frontend for tools translating asm to C.

T $ 1995/02–1999/01 **Trimble** ☞ Maintain computer graphics, improving clipping and multithreading.



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hackage

$=full-time, #=part-time, †=self-funded