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.

<F#, Elm, Haskell & SQL>

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

B $ 2021/02–2021/03 **Bracco** ☞ For interpreting dicom images from contrast enhanced ultrasound; develop a prototype desktop app.

F ? 2017/04–2020/12 **Flare Timing** ☞ For scoring flying competitions; typeset the rules as LaTeX • question how to interpret some rules • develop a command line reference implementation • develop web visualizations of workings, results and discrepencies across implementations • find, raise and fix bugs in the official implementation, FS • rescore and publish competitions.

A $ 2014/02–2017/04 **Aqualinc Research** ☞ For monitoring breaches of regulated levels of water take and pollutant discharge; design a relational database schema • unmunge munged data • develop system services to pull and cache metadata from **Hilltop** web services • expose web services over the top of the relational and time series data • develop separate web frontends for administrators and farmers • generate annual reports by pulling data from web services and typeset with LaTeX.

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

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

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

<C# & SQL>

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

L $ 2008/01–2011/08 ***CropLogic*** ☞ For more potato yield with less water and fertilizer input and less pollutant runoff; port, tune and test a discrete event simulation crop model with scientists • pull in field data and external weather data from numerous and disparate sources • develop a website for growers to setup their crops to enter their irrigation and fertilizer applications and to view the model recommended future inputs and expected yields.

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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$=full time, #=part time, ?=unpaid

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twitter
linkedin
stackoverflow
hackage