Karl Palsson – Curriculum Vitae

Experience

CTO – eTactica ehf   *Jan 2018 – June 2023*

eTactica provided hardware and software to give customers fine grained insight into their electricity usage. The technology was acquired by a large German company in 2023

Managed all software development, hardware development, manufacturing, patent applications, certification and supply chain across multiple product lines, both new development and existing products. Responsible for both hiring and firing of staff and contractors. *Linux (OpenWrt), STM32, Modbus, MQTT, AWS, C, Lua, Python, BTLE, PCBs, (schematic and boards) Enclosures*

Firmware Lead – eTactica ehf   *May 2011 – Dec 2017*

Oversaw the development of first commercial versions of hardware and software. Transitioned from 8bit (AVR) to 32bit (STM32) Led the team developing the embedded devices firmware as well as the Linux gateway management software.

Oversaw development of manufacturing calibration for mass production. Developed the APIs used for secure cloud data communications. *Linux (OpenWrt), AVR, STM32, Modbus, MQTT, AWS, C, Lua, Python, PCBs, (schematic and boards)*

Software Engineer – Vodafone Iceland   *Dec 2007 – Mar 2011*

Worked in a small team automating business processes around network provisioning and billing. Introduced automated tests and continuous integration, improving reliability and availability. *(Java, C#, perl, python, SQL)*

Software Engineer – Industria   *May 2005 – Jul 2007*

Worked in a team developing complete backoffice provisioning and billing systems for combined tv/internet/phone service providers. Worked in vertical slices covering management interfaces, data collection tools, reliability planning, requirements analysis, automation, development, testing and deployment. *(C#, Java, perl, SQL)*

Software Engineer – Cisco Systems   *Jan 2001 – Jul 2004*

Worked in a large team developing software for switches and routers. Wrote and reviewed architecture, implementation and test documentation, working with marketing and managerial staff to determine software requirements. Quality control work with test teams and customer support. Developed custom tools to reduce workload of the entire team. *(Assembly, C, perl)*

Education

Bachelor of Engineering (First class honours – Computer Systems and Electrical Engineering)
University of Queensland, Australia, 2000

Contact

Ljósvallagata 30
101 Reykjavik

+354 822 2595
karlp@tweak.au
github.com/karlp

Referees

Kristján Guðmundsson (eTactica ehf) kg@seglar.io

Hilmir Ingi Jónsson (Powena ehf) hilmir@hledsluvaktin.is