

Bernd Wechner – Software Trainer

6 Montagu Street, Hobart 7000, Australia

bernd@wechner.info

0427-651112 (SMS prior to call)

Skills

Math and Physics, Software Engineering, Programming, Networking and network management, Project management, Team management, Technical writing, Training course design and delivery, Quality assurance, Process automation, Language and cultural awareness.

Professional Summary

Software Trainer

I developed and delivered training courses for payphone management systems in English, German and French, and subsequently for hydroacoustic data processing software (Echoview). I have delivered training courses across the world and online and presented at numerous conferences and trade shows.

Technical Writer

I have co-authored a few papers, written extensive technical documentation for and the English help systems for the payphone management systems REMAS III, and for the Hydroacoustic data processing software Echoview and managed delivery of same for the Data fusion software system Eonfusion. I have written extensive internal documentation on algorithms have also written extensive material in support of training courses, and published research on Suite 101 and publish on dev.to today, and may start up on substack some time. My preferred tools for mathematical documentation are LaTeX in the LibreWriter at present.

Quality Assurance Manager

I started formal testing on payphone systems, have professionally tested Tasmanian Government websites in development, supported development of a regression testing automation system, managed a quality assurance team across three corporate divisions (stable software releases, venture software development and hardware measurement systems), implemented testing in Python and with Django and with pywinauto and Selenium (browser testing). I champion quality both hands on and at a policy and organisation level.

Full Stack Developer

With a masters degree in Information Technology and Telecommunications, I manage a LAN, with servers, and develop websites for personal and community use. Strengths include all levels from bare metal up to the UI (though I favour good designers for UI work support). My favoured stack at present includes: Ubuntu, Lighttpd, uWSGI, memcached, PostgreSQL, Django and naked JS client side with modest jQuery support. I have worked with Redhat, MS-Server, Apache, IIS, ASP, C# .NET, PHP and can bring into service any framework on demand of course, not least any of the front-end frameworks be that React, Angular, Vue, Svelte ... they all require modest familiarisation effort.

Automation Engineer

I am a great champion of automation where it is possible. I cut my teeth on supervisory automation systems for cold rolling steel mills (FORTRAN on MicroVax VMS) and more recently was automating software testing for Echoview (Hydroacoustic data processing software with strong stability) including UI automation. I actively automate server management tasks dominantly in bash and Python. I have consistently resisted the false economy of not automating. With very few exceptions such resistance has been predicated on the false premise of no repetition foreseen. **My mantra:** When should you automate? When you can. You will not regret it.

Career

- 2019 — 2024 Quality Assurance Engineer, Echoview Software Pty. Ltd.
- 2015 — 2019 Global Partner Manager, Echoview Software Pty. Ltd.
- 2015 — Full Stack Developer, Self-driven side gig
- 2011 — 2015 Global Sales and Marketing Manager, Echoview Software Pty. Ltd.
- 2010 — 2011 Sales Support (Infrastructure and Asia/Pacific), Echoview Software Pty. Ltd.
- 2006 — 2010 Project Manager, Myriax Software Pty. Ltd.
- 2003 — 2010 Manager of Support, Quality Assurance and Documentation, SonarData Pty. Ltd.
- 2002 — 2003 Manager, User Support and Training, SonarData Pty. Ltd.
- 2002 Test Engineer, Dytech Solutions Pty. Ltd.
- 2000 — 2002 Software Engineer Larrisun Pty. Ltd.
- 1998 — 2000 Customer Support Engineer, Landis and Gyr Communications
- 2000 — 2001 Traveller Australia
- 1997 — 2010 Company Director, Larrisun Pty. Ltd.
- 1997 Technical Consultant, BHP Research
- 1995 — 1996 Telecommunications Engineer, Swiss Telecom PTT
- 1995 — 2003 Contributing Editor, Suite101.com
- 1993 — 1995 Traveller Asia and Europe
- 1992 — 1993 Research Engineer/Liaison Officer, BHP Sheet and Coil Products Division
- 1991 — 1992 Traveller Europe
- 1986 — 1991 Research Engineer, BHP Sheet and Coil Products Division
- 1983 — 1986 Mechanical Engineering Trainee, BHP Coated Products Division
- 1979 — 1980 Newspaper delivery, Northwest Star

Experience

The SonarData/Myriax/Echoview years

Project Manager, Eonfusion, Myriax Pty. Ltd. 2006-2011

I implemented Steve McConnell's three-point estimation, **training staff in its use and subsequent application** to confidence based forecasting and budgeting. Using that with team support we got the product to market and a version 1.1 service release reliably budgeted and delivered on time. Sales however under-performed (too little too late) and capital ran dry.

Manager of Support, Quality Assurance and Documentation, SonarData Pty. Ltd. 2003-2011

Managing the Support, Quality Assurance and Documentation (SQuAD) needs across three corporate divisions (Echoview, AQ1 and Eonfusion) with a team of up to 10 members.

Manager, User Support and Training, SonarData Pty. Ltd. 2002-2003

Tasked with the design and delivery of a three day training course in basic hydroacoustics and Echoview software, with 12 weeks lead time. Managed customer support and worked on the Echoview 3 help system in parallel to garner the skills needed. After a very successful and well received course delivered in Seattle and Anchorage, continued managing the ongoing user support, training and documentation needs, delivering this training course as needed.

The Telecommunications years

Customer Support Engineer, Landis and Gyr Communications 1998-2000

Technical and administrative support of customers for telecommunications software systems, including:

- product documentation (developing and maintaining user and installation guides),
- product packaging and delivery (personalised for large corporate clients),
- **customer training (designed and delivered 2 to 4 day courses to 2 to 20 engineers at a time),**
- post-sales consultation and warranty management (telephonically and on-site)

Two major products and a few minor products with around 30 active customers (national Telecoms in Europe, Asia, North Africa and Latin America). Delivered courses on site predominantly in English and German, occasionally in French, produced documentation in English.

Ongoing

Full stack developer, Self-driven side gig 2015-

I set out to learn Matlab (by completing a Robotic Vision course at the QUT) and Python because I found Microsoft's TrueSkill algorithm implemented in Python and the Django web framework so whipped up a quick website to manage learderboards for our local games group. Running hand-me-down servers from my basement I was soon hosting numerous services focused not on the (in)famous LAMP stack (Linux, Apache, MySQL, PHP) but what I coined as the LLUPP stack (Linux, Lighttpd, Uwsgi, Python, PostgreSQL), behind an OpenWRT reverse-proxy. I have maintained a live and sandbox server since and run various services from them primarily on that stack but also doses of PHP thrown in so LLUPPP.

Education

Master of Engineering (IT&T), Flinders University of South Australia 1995-96

Bachelor of Engineering (Mechanical), Honours class II, University of Wollongong 1983-86

Higher School Certificate, Physics prize, Engadine High School 1981-82

Junior School Certificate, German prize, Mount Isa State High School 1978-80

Personal Details

Date of Birth: November 12, 1965

Place of Birth: Kempten, Bavaria, Germany.

Nationality: Australian, Swiss

Marital Status: Married (de facto) with three children (2003, 2013, 2017)

Context of This Document

This is a 3 sheet resumé, being a very targeted extract of key points relating to the role of Software Trainer.

It consists of extracts from a full Curriculum Vitae of 7 sheets, which is available for drill down or further details, should this targeted rendition pique further interest.

The complete Curriculum Vitae as well as other targeted extracts are all available at:

<https://bernd.wechner.info/Professional>

The full body of professional experience is also up to date at:

<https://www.linkedin.com/in/bernd-wechner/>

and:

<https://www.seek.com.au/profile/bernd-wechner-MSlCWnZM1M>

respectively, the two most important professional employment related sites in use today in Australia.