

Bernd Wechner – Software Project Manager

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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 Project Manager

I brought Eonfusion project (a data fusion software product) to market, on budget, on time by implementing McConnell's 3-point estimation PERT variant training teams in its use and professionals to deliver off the cuff estimates comfortably, and useful for planning (the power of best, worst and most likely case estimation). I have completed numerous management courses (People in Projects, High Performance Communication, Practical Project Estimation, Project Management Advanced, CMMI-SE/SW for Senior Managers).

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.

Sales and Partnership Manager

I managed sales for Echoview, bringing revenue over \$2 million per annum on a trajectory to \$3 million per annum. Specific areas of focus and reform including marketing, licensing, pricing and global reseller network development and empowerment. I completed the High Performance Sales course.

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.

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.

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.

Mathematical Modeller

An A-grade math student, with the school Physics prize, and a degree in Mechanical Engineering, I modelled the cold steel deformation process (a system of simultaneous non-linear differential equations) using polynomial approximations in a time before desktop PCs (pencil and paper and micro-computers implementing said model in FORTRAN - it is quite likely still in service at the cold rolling mill at BHP in Port Kembla). I have studied Microsoft's TrueSkill Rating system (a Bayesian algorithm and generalisation of the ELO Chess ranking system) extensively and have been documenting it openly. I headed-up the validation of wideband signal processing algorithms at Echoview.

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

With Eonfusion project running behind schedule, over budget and at risk of failure I was appointed project manager to bring this product to market. 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 Steel Years

Technical Consultant, BHP Research 1997.

Company Director, Larrisun Pty. Ltd. 1997-2010

As the sole director of Larrisun Pty. Ltd, provided consulting services to BHP over two months, developing a strip flatness prediction model (used in the rolling of sheet steel), implementing a prototype and training production and research personnel with regards to rolling automation software and theories. Purchased a shelf company (Larrisun) for the delivery (ultimately folded in 2010 for lack of utility and maintenance overheads).

Ongoing

Full stack developer, Self-driven side gig 2015-

I found Microsoft's TrueSkill algorithm implemented in Python and the Django web framework so whipped up a quick website to manage leaderboards 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 Project Manager.

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-MS1cwNZM1M>

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