



PETER METZ

SYSTEMS SCIENTIST AND ENGINEER

Systems Scientist and Engineer with extensive experience designing, developing, analysing, integrating, troubleshooting and supporting software systems, computing and cloud infrastructure

Skills include analytic thinking and creative problem solving, as applied to system design, cloud computing and networking, as well as the development of software and hardware prototypes

EMPLOYMENT SUMMARY

CLOUD SUPPORT ENGINEER

04.2022 – present

IONOS Cloud, Berlin, Deutschland

- Providing support to Cloud Computing customers during and after incidents, and through technical and service queries;
- Being a point of contact, within Support and when interfacing with other team, with a focus on APIs and Configuration Management (CM) tools, documentation and our VMware-based product;
- Maintaining an overview of our stack, with a view to better understanding and explaining its architectural interdependencies, identifying 'common-mode failures', filing bug reports and suggesting product and support-system improvements;
- Proposing and developing our initial tutorial series which introduce our Ansible and Terraform tools and selected products through the creation of examples more representative of 'real-world' use-cases

FREELANCE

01.2017 – 04.2022

Berlin, Deutschland

- Developed and integrated custom hardware solutions including microcontroller- and SBC-based laboratory, imaging and monitoring equipment, and vacuum and high-voltage systems;
- Consulted on, and implemented websites and documentation systems and their supporting infrastructure;
- Consulted on, and implemented decentralised and more-secure computing environments based on Qubes OS and other virtualisation and networking solutions

SENIOR SYSTEMS ENGINEER

12.2013 – 11.2014

Datamerge, Willetton WA 6155, Australia

- Conducted Pre-sales Engineering, produced high-level system and network designs, and developed and managed Project Plans for the implementation and migration of client infrastructure;
- Provided Level 3 support to my colleagues and some of our clients' own IT staff, across our range of supported storage, networking and security products, and for VMware vSphere

ABOUT ME

Most in my element when collaborating in small- to medium-sized multi-disciplinary groups and creating through the mediums of technology and/or organisational structures.

CORE SKILLS

- Problem analysis and solving
- Collaborative prototype development and evaluation
- Systems Engineering and Integration
- Software Development
- System Administration
- Interdisciplinary collaboration and communication
- Technical Writing and Editing (English)



CONTACT DETAILS

Address:

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10317 Berlin

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Citizenship: Australian

Born: August 1977

LANGUAGES

English: Native language
German: C1

TECHNOLOGY ADVOCACY

12.2012 – 11.2013

Independent Project, Perth, Australia

- Established a Pilot Project documenting human rights abuses and engaged with academic, activist, political and legal groups involved in the refugee rights campaign in an attempt to develop a shared incident reporting and analysis system

SYSTEMS SCIENTIST

04.2011 – 11.2012

Resource Planning Department , BHP Billiton Iron Ore
Perth WA 6850, Australia

- Designed and implemented a standalone Research and Development environment (including supporting server, virtualisation and network infrastructure) and assumed the responsibility for negotiating its approval and expansion;
- Worked on the development of our in-house mine planning and visualisation suites;
- Provided ad-hoc specialist and technical support for a range of mine planning and financial modelling suites;
- Co-facilitated multiple working group and visioning workshops

SENIOR SYSTEMS ENGINEER / ANALYST

01.2000 – 04.2011

Defence Science and Technology Organisation
Rockingham WA 6958, Australia

- Maintained watches on technologies and standards, and proposed extensions to our internal Open Combat System Architecture in the areas of remote procedure calls and GUI management;
- Maintained watches on technologies and standards, and proposed extensions to our internal Open Combat System Architecture in the areas of remote procedure calls and GUI management;
- Proposed and co-managed extensions to our internal simulation environment to support underwater models and operations;

EDUCATION

THE UNIVERSITY OF WESTERN AUSTRALIA

2008 – 2009

Postgraduate research in Computer Science and Adaptive Systems

THE UNIVERSITY OF WESTERN AUSTRALIA

1994 – 1999

Bachelor of Science in Information Technology (Hons, 1)
Bachelor of Engineering in Electronic Engineering (Hons, 2A)

PERSONAL INTERESTS AND PROJECTS

The development of off-grid and decentralised energy, control and communication systems; soil microbiology; mycology and its application to soil rehabilitation; mushroom cultivation; Permaculture design; reforestation; the history of computing and the restoration of classic computers; filming and video editing