

## CARSTEN ECKELMANN

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www.carsten.eckelmann.com.au

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Ph: 02 6494 7927, Mob 0458 79 55 44

### Overview

I am a software developer and systems architect with a strong focus on usability and business requirements analysis, using an eclectic set of tools to fit the project. I take responsibility and pride in my work and connect well with all stakeholders. As a team leader I find the strengths and weaknesses in each team member and coach and lead them to achieve excellence in their work efforts. I do not believe in magic bullets and always try to find the right approach and tool for the job. In systems architecture and design I strive for extensibility and maintainability and prefer simple and clean solutions.

### EDUCATION

10/2008 - 03/2011 Certificate IV - Frontline Management, NSW, Australia

02/2006 - 02/2008 Certificate IV - Remedial Massage Therapy, NSW, Australia

10/1990 - 02/2000 Master of Computer Science, Technische Universität Berlin, Germany.

### SKILLS & SOFTWARE

- Software Architecture and Systems Design (+12yrs)
- Project Management (6yrs), Team lead (+4yrs)
- Project Setup: SCMS (CVS, SVN, Git), Task & Defect Tracking, System Documentation
- Programming: PHP(6yrs), C++(8yrs), Java/J2EE(10yrs)
- Data Manipulation: XML(7yrs), SQL(+10yrs), XSLT, CSS
- OS Admin: UNIX (Linux, Solaris, HP-UX, FreeBSD)(+10yrs), Win2000, WinXP, Win7
- DB Admin: MySQL(6yrs), Sybase(10yrs), MS SQL Server(8yrs)
- Alfresco ECMS(2yrs), Drupal WCMS(1yr), Bespoke CMS's (+10yrs)

### EMPLOYMENT HISTORY

02/2010 - 09/2011, IT Manager, Pyramid Power Company (pyramidpower.com.au)

- **Member of the Senior Management Group**
- **Manager: IT Department** with 2 IT Support staff and 4 Software Developers
- **Design and implement IT systems roadmap for 3 business locations**, networking, hardware selection, purchasing and support.
- **Design and implementation of Software strategy**, purchasing, license management, installation and support
- **System design and project management for bespoke Enterprise Resource Planning system** (Flow) developed in-house with the following modules: CRM, Job scheduling, Orders & Invoices, Warehouse, Reporting, Task tracking, Calendar, Document management.
- **Lead Developer: PHP Framework** for Flow, CRM module, User management, Business Reports

07/2007 - 01/2010, Senior Consultant, Lateral Minds (lateralminds.com.au)

- **Project Lead: Publishing System** for the MIMS medical information publications. Design of a document storage and retrieval system for 30,000 documents based on Alfresco ECMS, editorial and approval workflow and automatic transformation of XML content into printable format for 10 different publications.
- **Project Lead: Credit card voucher image retrieval and information system.** Design of a document storage and retrieval system for ~500,000 images of credit card vouchers based on Alfresco ECMS.
- **Project Lead: Document management system** for company wide technical documentation for a leading IT consultancy based on Alfresco ECMS, peer approval workflow and automatic conversion of publishable documents to PDF.

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08/2004 - 06/2007, **Senior Developer**, ECN Group Pty, Ltd. (ecngroup.com.au)

- **Lead Developer: Coles/GHPL supplier portal** and order management web site.
- **Lead Developer: Job sheet tracking.** Web application for Philips to track service job sheets from all Philips service providers in Australia and New Zealand.
- **Lead Developer: Online order system for Konica Minolta Dealers.** Development and system design.
- **Lead Developer: Invoice turn-around and tracking system for Toyota.** Development and architectural design.
- **Lead Developer: Architectural design of internal application framework and build system.**
- All projects at ECNgroup are conducted following an agile methodology with full sets of unit tests and short release iterations, using J2EE stack of Tomcat, Struts, Hibernate and XML.

03/2004 - 08/2004, **Freelance Developer**, Circle42 (circle42.com)

- **Lead Developer: Online Law journal *justinian.com.au*,** programming and administration using the Redaxo CMS in PHP.

12/2003 - 03/2004, **Freelance Developer**, Mondoweb Pty, Ltd. (mondoweb.com.au)

- **Lead Developer: development of CMS for *sweetart.com.au*** website in PHP
- **Lead Developer: development of CMS for *chicmanagement.com.au*** website in PHP/MySQL
- **Lead Developer: development of Desktop Application** in Ruby for scanning and uploading images to *chicmanagement.com.au* website.

10/2002 - 12/2003, **Senior Developer**, Carano Software GmbH, Germany (carano.de)

- **Lead Developer: Software release and build management system** for large Java projects for Carano. Using XML, XSLT, Java and Ant. This system is still in use to streamline the work of a team of 30 developers to work on many diverse projects for top clients like Deutsche Bahn (German Rail Service).
- **Team leader: Leasing calculation system for a fleet management system in Java.** This is a commandline Java program that calculates leasing price factors for more than 8,000 different automobile types and configurations.
- **Lead Developer: Code generation framework** for all Java projects using Java, Ant and Vdoclet. The code generator is used in each Carano project to generate a complete J2EE system including Servlets, EJB layer and persistence layer from a set of annotated Java business object classes. This sped up the development of prototypes for new projects considerably.
- **Lead Developer: Object-relational data access layer** for the in-house J2EE programming framework using Java and the open source library Hibernate.
- **Project Lead: Installation and administration of CVS source control system** for the Java department. Whereas Carano used a proprietary source control system which was expensive and cumbersome in use, my introduction of proven open source tools like CVS, Bugzilla, Eclipse and wiki technology increased the productivity of the whole development team considerably.

09/2002 - 10/2002, **Trainer**, Freie Universitaet Berlin, Germany

- **Teaching Java programming for beginners.** Full time 2 weeks course given to physics students.

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1/2002 - 09/2002, **Senior Software Developer**, EDIT Consult GmbH, Germany (edit-consult.de)

- **Project Lead: Xml-based website production system** using Java/Python. This was used to keep the extensive website for the SAP consultancy up to date.
- **Lead Developer: Prototype for web-frontend for SAP business applications** based on Java-Servlets, Jakarta-Tomcat and SAP Java-Connector. Mainly done as a proof of concept this system was then introduced to the German SAP user group to show the interoperability of Java with SAP and the effectiveness of the J2EE stack.

03/2000 - 12/2001, **Software Developer & DB Administrator**, Webman AG, Germany

- **Developer: Development and design of various components** for the website production system Webman (now an open source project: *webman-cms.sourceforge.net*) in Java/J2EE and XML.
- **DB Administrator: Installation, tuning and administration of Sybase databases** on Linux and WinNT
- **Consultant: Roll-Out Manager and technical support** for the website-production- system Webman. I worked closely with our clients to get them up and running with the Webman system.
- **Developer: WebDAV access layer to webman** using the open source Java library Jakarta Slide.

02/2000 - 03/2000, **Trainer**, Berufsakademie Berlin, Germany

- **Teaching UNIX for beginners.** One week course given to public servants.

06/1999 - 03/2000, **Student Assistant Developer**, Technische Universitaet Berlin, Germany

- Working on my **thesis on autonomous Java agents** for providing a travel itinerary service on the web and mobile handsets, using an in-house developed Agent platform and J2EE.

10/1992 - 02/2000, **Software Developer & Administrator**, Servolab GmbH, Germany (servolab.de)

- I worked for Servolab part time and sometimes full time in parallel to my university studies. I started as Junior developer and took on more and more responsibility until I took on complete projects from requirements analysis through design and implementation to installing it at the client's site.
- Design and implementation of substantial modules for the LIS (Laboratory Information System) Servolab in C++. I was one of the chief architects in the process of moving an old 16 bit codebase to a 'modern' 32 bit version using state-of-the-art windows controls and components. I also worked closely with the clients and users on the GUI design and workflow of each input dialog.
- Programming, installation and administration of Sybase and MS-SQL databases on HP-UX and WinNT
- Installation and administration of CVS (Concurrent Version Control System) on WinNT
- Installation, consulting and training for Servolab systems in various laboratories in Germany and Spain
- Design and development of object-relational data access layer for the Servolab programming framework in C++.