

Adam Di Carlo

PERSONAL DATA

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SKILLS

≥ 10 years	open source ecosystems & build chains, Linux, Web technologies, SQL, networking, computer hardware
≥ 5 years	technical staffing, documentation, LISP, POSIX SHELL, Apache, PERL, XML
≥ 2 years	C, JAVA, RUBY, JAVASCRIPT, MSP430 assembly, digital debugging, analog circuit design & repair, open source embedded design, Agile practices
≥ 1 years	PYTHON, AVR, OBJECTIVEC

WORK EXPERIENCE

<i>ongoing from</i> JULY 2015	Independent Technical and Software Engineer Providing technical solutions, software maintenance, system monitoring and other services for existing and new customers. Specializing in open embedded computing and Linux-based web architectures. Expert in using open source software to simplify, replace and eliminate legacy systems.
JAN-APR 2016	Technical Engineer at YORGO ALEXOPOULUS MULTIMEDIA, LLC <i>Brooklyn Navy Yard</i> Sole electronics and digital support for a video artist preparing for a solo opening at Bryce Wolkowitz Gallery, NYC . Handled electronics for all art pieces, assistance with fabrication and design issues. Used Raspberry Pis and proprietary systems as seamlessly looping, continuous video sources, often spanning large numbers of screens. Implemented, automated and documented workflows for small-batch hardware system assemblies, video conversion and optimization using open source toolkits. Gained expertise in state-of-the-art video, including x265 and 4K technologies. Responsible for website updates and facelift, networking infrastructure, technical quality control measures, etc.
JUNE 2007- MAY 2015	CIO at WEBCHECKOUT, INC. <i>Chicago / New York</i> Returning to this product after an absence of 4 years, took responsibility for all technical departments at WebCheckout. Successively re-engineered the development, QA, and support departments. Helped to rescue and revitalize a large and complex Lisp code-base which was showing all the problems of 10 years of organic growth with little pruning or refactoring. Rebuilt development team, instituting elements of Agile, continuous integration, code review, ticketing and milestoneing.

	Greatly expanded the reach and scope of pre-release application testing. Implemented a process to continuously improve, document and expand testing coverage. Established test automation where practical, using Selenium.
DEC 2002– SEP 2009	Senior Developer, Project Manager at BANGSTATE, INC. <i>New York</i> Contract development of web applications and services. Responsible for all aspects of software projects, including project scope, technical sales support, client acceptance, implementation, documentation, deployment and maintenance.
SEP 1999– SEP 2003	Dir. of Software Development at ONSHORE DEVELOPMENT, INC. Specified and managed the implementation of a complex web-based resource scheduling application called WEBCHECKOUT. Responsible for technical direction, quality control, release management, hiring, task delegation, development infrastructure and documentation production. Presided over a technical staff from 4 to 10 people. Established channels between developers, support, and customers.

Earlier work history available upon request.

EDUCATION

1993 Bachelor of the Arts, **University of Chicago**
summa cum laude | Major: Philosophy

EXTRACURRICULAR

Linux Active Linux user since 1993 (Linux 0.99pl13).

Debian Debian developer. Maintained installation system for Sarge release. Rewrote INSTALLATION MANUAL, RELEASE MANUAL, and DEVELOPER'S REFERENCE, accommodating multiple languages and architectures. Reformed the XML/SGML system. Active in Policy Group.

DocBook OASIS Docbook Technical Committee member, retired.

INTERESTS

Breaking out of 2-dimensional screens and into the real world.

Fashioning digital implements able to meet or exceed the expressive power of age-old hand tools.

Demolishing the ivory tower of programming. Discovering or inventing a language that promotes rather than penalizes best practices.

Antique audio and test equipment.