Jost Muxfeldt

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I am currently looking for projects as a PHP fullstack developer, possibly also including technical consulting responsibilities.

Profile

General

After an university education in the humanities and arts, I eventually specialized in internet technology and multimedia design. I have worked as a developer, project manager, designer, and conceptual designer, for prominent offices in Berlin, Germany.   The spectrum of my work experience reaches from architecture offices to internet agencies, as well as teaching and publication. The interactive nature of my projects with a broad variety of clients has made quick learning, teamwork skills, and flexibility a necessary and welcome part of my work.

Language Skills

Native skills in both German and English.

Software Development / Internet

As a PHP fullstack developer, my particular areas of specialty include internet applications, developed using **Drupal, Symfony**, **Yii, and Javascript**. I develop with **Drupal** on an **expert level** and also have developed with **Drupal Commerce**. I am fluent in **MacOS, Linux and Windows**. I am completely fluent in production environments such as **Git, SVN, Jira, Eclipse, PHPStorm**, and am used to working with **SCRUM** and other **agile development environments**.

Open Source Development

I belong to the **open source** development team of the multimedia programming language, **SuperCollider**. I have developed complex multimedia installations and performances using **SuperCollider** and **Processing**. These installations have been exhibited at major venues throughout Europe, including **Sonar in Barcelona, Transmediale Berlin, Exit Festival in Paris-Crétei**l.

Project Management

My work experience has involved a broad range of project management and **technical project management skills**. In my interaction with architecture offices, I have had to manage **budget** and **deadlines** for competition projects. For IT and Internet I have made **time and budget assessments**, and have structured work loads into manageable units. I am familiar with **SCRUM**, and have used tools such as **Jira**. In 2010 I was on the organizer team of a large Symposium in Berlin for the SuperCollider programming language in Berlin, a project with a **Budget of over 70000** Euros. My responsibilities included budgeting and task-assignment, among other things.

Further Skills

I am enthusiastically involved in a wide variety of activities outside of my main job. These activities have in the past included art exhibits, journalism, radio, translation, and lecturing/publishing in philosophy. I have always strived to keep my intellectual interests alive as an enrichment of the quality of my efforts in my present work situation.

Development Languages

Language	Level
PHP	advanced
Javascript	advanced
HTML5	advanced
CSS3	advanced
Sass	advanced
Less	intermediate
Jade	intermediate
Bash	basic
SuperCollider	open source developer

Development Environments

Platform	Level
Apache Solr	basic
MacOS	expert
Linux	advanced
Windows	advanced
Drupal 6/7/8	expert
Yii	advanced
Symfony	intermediate
NodeJs	intermediate
Bootstrap	basic
jQuery	advanced
GULP	intermediate
ExtJs	intermediate
Git	advanced
Subversion	advanced
Jira	advanced
Confluence	intermediate
SCRUM	advanced
Vagrant + Ansible	intermediate

History

2012 - .... **Freelance Developer, Consultant, and Multimedia Designer**
While my main focus today is on **internet applications**, I have developed for a broad range of projects: web applications, parametrized objects for CAD programs, computer generated templates for rapid prototyping, custom **CMS systems**, light simulation, or multimedia installations. I have also taken on various **technical project management** roles: work and deadline management, as well as cost-estimation. **Development frameworks** include **Drupal, Drupal Commerce,Symfony, Yii, Meteor**. Selected Clients: **interactive tools, Pixelpark, Flexcellence, weisspunkt und purpur**.

2010 - 2012 **Employed Developer at interactive tools GmbH , Berlin**
I was the in-house **Drupal** expert. I was also involved in a larger **Symfony** project both with Front- and Backend Tasks. Furthermore I developed for **Javascript**, **ExtJs** and **Actionscript 3** Projects. See Projects below.

1995 - 2010 **Freelance Media Developer, and Designer**
Owner of a studio for media art, information technology, and architecture. The main focus was on **multimedia and 3-D rendering**. **Over 70 projects** realized for prominent offices in Berlin and beyond, particularly in architecture. This included developing **office database software** for **David Chipperfield Architects** in Berlin, and project management software for **interactive tools GmbH** Berlin. Webdesign and software development. Computer renderings for prominent Berlin architects, e.g. **Daniel Libeskind**, **Kleihues & Kleihues**, **Axel Schultes Architects**, including projects like the **German Chancellory**, and a competition for the **Neues Museum**. Work with artists such as **Arnold Dreyblatt**, **Martin Riches**, **Takumi Endo**, **Laura Kikauka**.

1994 - 1995 **Arata Isozaki Architects Berlin**
Architect, CAD nd IT Manager. I worked as part of the team of architects on competitions and planning. I managed all of the computer work in the office, and was responsible for the exchange of plan data, drawing of CAD plans, and programming of CAD modules and objects. I was also responsible for IT and CAD purchases for the office.

1991 - 1994 **Studio Daniel Libeskind Berlin**
Architect, CAD manager, IT system manager.
I was a full member of the team of architects, and was also responsible for management, structuring, and purchase of the CAD System in the office of this star architect.

1991 **Moved to Berlin from the US**

1986 - 1989 **Master of Arts in Philosophy (Language and Logic)**
 University of Connecticut at Storrs, USA.

1983 - 1986 **Master of Music, Hartt School of Music, University of Hartford, Connecticut, USA.**

1978 - 1983 **Batchelor of Arts in Music, Cum Laude, State University of New York at Binghamton, USA**

1959 - 1978 **Childhood and Schooling**
Born in 1959 in Braunschweig, Germany. Moved to the USA to Madison, Wisconsin in 1962 (my father was a scientist). Moved to the Ithaca, New York in 1967. Moved to Stuttgart, Germany in 1972. Moved to Port Jefferson, New York in 1977. Highschool Diploma Summa Cum Laude 1979.

Selected Projects

2017 **Hospital Website Realisation |** freelance | **Senior Developer, Consultant, Website Architect |** Client : **publicgarden GmbH, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • MacOS • Drupal 8 • jQuery • GULP • Git • Jira
Architecture and realisation of a complex hospital website in Drupal 8, with extensive custom module programming, multi-step search, n-to-n relations, etc.

2017 **Consulting |** freelance | **Developer, Consultant |** Client : **publicgarden GmbH, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • MacOS • Drupal 6 • Drupal 8 • Git
Technical and financial analysis with proof of concept for the migration of a complex Drupal 6 project to Drupal 8.

2016 - 2017 **Implementation of a Solr Search |** freelance | **Developer |** Client : **Pixelpark, Berlin** | Technologies: PHP • HTML5 • CSS3 • Apache Solr • Linux • Drupal 7 • GULP
Implementation of a Solr Search for a Large Drupal 7 Project

2016 **Drupal Development for a short Deadline |** freelance | **Developer |** Client : **CB.e Clausecker | Bingel AG, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Drupal 8
Front and backend Drupal 8 development for a large project on a close deadline

2016 **Drupal Development and Consulting |** freelance | **Developer, Consultant |** Client : **publicgarden GmbH, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • MacOS • Drupal 8 • Git
Large Drupal 8 project. My tasks included developing complex data import modules, batch processing, and import of remote xml data.

2016 **Development of a module for integrating the 123rf image service into Drupal 8. |** freelance | **Independent Developer, Consultant, Drupal 8 Expert |** Client : **Wolters Kluwer Deutschland GmbH (via Hays AG), Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • MacOS • Drupal 8 • Git
The 123rf image service is a a leading payment based image service. Wolters Kluwer Deutschland GmbH needed to integrate an image search in to their upcoming Anwalt24 site relaunch, which included a per user image library with the possibility of accessing 123rf images for inclusion in the user's content. The task was to write a generic (site independent) Drupal 8 Module to allow such an integration.

2016 **Launch of weisspunktundpurpur.asia |** freelance | **Consultant / Developer |** Client : **weißpunkt und purpur, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Linux • Windows • Drupal 6 • Git
Strategie consulting and development for launch of http://weisspunktundpurpur.asia/ (http://weisspunktundpurpur.asia/).

2015 - 2016 **Senior PHP Fullstack Developer and IT Strategy Consultant |** freelance | **Senior Developer, Consultant, Drupal Expert |** Client : **Agentur SOWHAT!, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Linux • Drupal 7 • jQuery • GULP • Git • Jira • Confluence • SCRUM
Advanced development, IT strategy consulting, cost estimation. Developed an office-wide Drupal deployment strategy.

2015 - 2016 **Drupal 8 responsive relaunch of www.glyph.de |** freelance | **Developer |** Client : **Studio Jost Muxfeldt, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • Drupal 8 • GULP • Git
Porting from Drupal 7 to Drupal 8 and responsive development.

2015 **Development of an online shop for marathon running events. |** freelance | **Principle Drupal Developer |** Client : **Flexcellence, Berlin / Köln** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Linux • Drupal 7 • jQuery • Git • Jira • SCRUM
This project was implemented with **Drupal Commerce**, and I was the main developer in a Team of one full time (myself) and one part-time developer. http://www.finisher.club (http://www.finisher.club/)

2014 - 2015 **Multilingual Relaunch of Lighting Design Website. |** freelance | **Developer / Designer |** Client : **weißpunkt und purpur, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Linux • Windows • Drupal 7 • Git
Design and Drupal development of the website http://weisspunktundpurpur.de/ (http://weisspunktundpurpur.de/).

2014 **Development Consulting for a Booking System |** freelance | **Project management and consulting. |** Client :
Mohanty Agentur für ganzheitliches Marketing, Berlin | Technologies: PHP • HTML5 • CSS3 • Linux • Yii • Git • Jira • Confluence
I provided consulting, restructuring, work-organization, and cost-assessment for the company's MAKISYS booking system.

2013 - 2014 **Relaunch of the Reichelt Supermarkt Chain |** freelance | **Drupal Developer, Consultant |** Client : **interactive tools GmbH, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Linux • Windows • Drupal 7 • Subversion • Jira • Confluence • SCRUM
As an external expert, I was responsible for the particularly difficult structural implementations for the Relaunch of the Reichelt Supermarket chain website (http://www.reichelt-berlin.de/ (http://www.reichelt-berlin.de/)). This included developing backend modules for integrating MovingImage24 videos, as well as a complicated search over sub-entities in the Recipes Search (http://www.reichelt-berlin.de/rezeptwelt (http://www.reichelt-berlin.de/rezeptwelt)).

2013 **Pitch für ARTE Live Web |** freelance | **Senior Drupal Developer |** Client : **Pixelpark, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Linux • Drupal 7 • Git • Confluence • SCRUM
I was responsible for the development of a broad spectrum of Drupal Modules, including i18n issues, formatters, Twitter/Facebook/instagram widgets, Metatags, both in the back and front-end.

2013 **Mercedes Benz Driving Events |** freelance | **Senior Drupal Developer |** Client : **Pixelpark, Berlin** | Technologies: PHP • HTML5 • CSS3 • Sass • MacOS • Linux • Drupal 7 • Git • Jira • Confluence • SCRUM • Vagrant + Ansible
Developed in Drupal. Design and implementation of a complicated multi-step registration form for the Mercedes Benz Driving Events https://www.mercedes-benz-events.com (https://www.mercedes-benz-events.com) . I was responsible for all aspect of the process including backend ajax services, data encryption, email notification, front-end html and css, as well as javascript development.

2012 - 2013 **Online Configurator for a Lighting System |** freelance | **Concept, Principle Developer |** Client : **Mawa Design, Michendorf** | Technologies: PHP • Javascript • HTML5 • CSS3 • Sass • MacOS • Symfony • NodeJs
An ongoing project. Together with Mava Lighting Design, we have been developing a proof of concept for an online configurator for their modular lighting system. A simple CAD program written in javascript allows lighting designers to configure lighting components on a track. The backend has been tested both with Symfony2 and with NodeJs/Express.

2010 - 2012 **Developer Front- and Backend |** employed | **Developer |** Client : **interactive tools GmbH, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • Less • MacOS • Linux • Drupal 6 • Drupal 7 • Symfony • jQuery • Subversion • Jira • Confluence • SCRUM
- **Drupal Expert**. I was the in-house Drupal expert and developed a brad spectrum of modules including for numerous projects including Reichelt Supermarket, interactive-tools Website, Ebay.
- **Symfony Development**. In the context of a highly complex new implementation for the Berlinale Accreditation System, I was part of a larger team and developed the structures for my main task: an ExtJs driven form for the intranet backend. I was as much involved with Javascript/ExtJs as with the Symfony backend controllers and views.
- **Javascript and ExtJs** Development. Next to the Berlinale Accreditation System, I developed a broad spectrum of mini applications for the Reichelt Supermarket Website, including sweepstakes and online-games.
- **Actionscript 3** Development. Für ZF Friedrichshafen AG I developed a complex , databank-driven Flash application for a Trade Show. I also developed an online sweepstakes for Kunstmuseum Dresden.

2010 **SuperCollider Symposium 2010 Berlin |** freelance | **Organizer, Concept Developer, Team Manager |** Client : **SuperCollider Open Source, Berlin** | Technologies: SuperCollider
I was on the organizer team of this large, publicly funded project, with a budget of over 70000 Euros. The symposium included lectures, workshops, concerts, and exhibits spread across multiple venues in Berlin, Germany. I was responsible for the budgeting, work organization, and the website for the symposium. http://www.supercollider2010.de/ (http://www.supercollider2010.de/)

2009 - 2010 **YII Based CMS System for Architects |** freelance | **Owner, Developer |** Client : **Studio Jost Muxfeldt, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • MacOS • Linux • Yii • jQuery • Git
Architecture offices have special needs concerning the online documentation of their projects. Beyond a regular website, they need to consider image data banks, project databanks, publication databanks, the possibility of crediting all project partners, and a variety of other special needs. It is particularly important that the entering and editing of information and images is as comfortable and efficient as possible. I developed a PHP and Yii based CMS framework that is customized for the needs of Architecture offices, and is easily extendable to meet individual needs. The front-end is then customized for each client individually. The system is also completely i18n extendable. A similar system was developed with Drupal as well.

2009 **Live Lighting |** freelance | **Developer, Designer |** Client : **Studio Jost Muxfeldt, Berlin** | Technologies: PHP • Javascript • HTML5 • CSS3 • ActionScript 3 • MacOS • Linux • jQuery • Git
A lighting simulator developed by Studio Jost Muxfeldt allows the demonstration of the lighting of a space based only on photos or computer simulation stills. Users can use sliders to seamlessly regulate the lights in image of the space. http://www.glyph.de/en/project/live-lighting (http://www.glyph.de/en/project/live-lighting)

2007 - .... **SuperCollider Open Source Team |** freelance | **Developer |** Client : **SuperCollider Open Source, Berlin** | Technologies: SuperCollider • MacOS • Linux • Git
I am a member of the group of open source developers for this programming language, which is probably the best of its type for so sound and multimedia. In 2007, I documented the entire GUI system, and wrote various GUI extensions and improvements for the language.

Teaching / Workshops / Lectures / Publications

2017 **Workshop, Performance and Discussion about Music Programming. |** freelance | **Lecturer |** Client :
Institut für Musik und Medien, Robert Schumann Hochschule, Düsseldorf
Workshop, Performance and Discussion about Music Programming.
Together with Julian Rohrhuber (http://wertlos.org/~rohrhuber/).

2016 **Sound, Space, Phenomenology |** freelance | **Lecturer |** Client : **Institut für Architekturbezogene Kunst, TU Braunschweig, Braunschweig**
Lecture, Workshop, Concert

2014 **What is Space? |** freelance | **Instructor |** Client : **NK Projekt, Berlin**
A workshop exploring concepts of space and how we experience and express space.
Many of my ideas focus on audio-art, however visual artists, architects, dancers, poets, actors, were explicitly welcome to participate, since the idea of trans-medial spaces is one of the things we wanted to understand. Among the 17 participants, we had representatives of each category.

2013 **Supercollider Production Environment |** freelance | **Instructor / Lecturer |** Client : **NK Projekt, Berlin**
Presentation of a complex SuperCollider production environment.

2013 **What is Space? |** freelance | **Lecturer |** Client : **Sommerwerkstatt Experimentelle Musik, München**
A lecture exploring concepts of space and how we experience and express space. A provocation concerning the concept of space in the arts and beyond.

2013 **Drupal Beginners Workshop |** freelance | **Instructor |** Client : **NK Projekt, Berlin**
A workshop introducing participants to the basics of building a website with Drupal.

2010 **SuperCollider GUI Workshop |** freelance | **Instructor |** Client : **SuperCollider 2010 Symposium, Berlin**
Introduction to the GUI System of SuperCollider. Part of the SuperCollider2010 Symposium Berlin (http://www.supercollider2010.de/).

2007 **Audio Kinematics |** freelance | **Lecture / Performance |** Client : **University of Brighton, Brighton**
Lecture and presentation of own work.

2005 **Architectural Knowledge |** freelance | **Lecture |** Client : **Université Paris X Nanterre, Paris**
Arakawa and Gins Architecture and Philosophy Conference.

2004 **"The Machines" |** freelance | **Publication |** Client : **Martin Riches, Berlin**
By Martin Riches. Numerous Computer Graphics and Animations. Published by Kunsthallen Brandts Klaederfabrik 2004.

2004 **"Grundkurs Kunst 4: Aktion, Kinetik, Neue Medien" |** freelance | **Publication |** Client : **Martin Riches, Berlin**
Published by Michael Klant. Computer graphics for projects by Martin Riches

1999 **Architectur Visualization on the Computer |** freelance | **Lecture |** Client : **Technische Universität Berlin, Berlin**
Guest Lecture at the TU Berlin. Invitation by Prof. Angela Lambea

1999 **... 40 Iterations for Piano Module ... |** freelance | **Lecture |** Client : **Verein für Experimentelle Musik, Darmstadt**
Lecture / Performance

1998 **Music and Architecture, an Example using Kurt Schwitters. |** freelance | **Lecture |** Client : **Technische Universität Berlin, Berlin**
Guest Lecture at the TU Berlin. Invitation by Prof. Angela Lambea