

php^{NW}
2014

3rd October
Manchester, UK

Tutorial Day Attendance Request





Tutorial Day Leaders

You'll be taught by industry thought leaders from around the world

About

Please feel free to use this document to have a discussion with your manager/supervisor about attending the PHPNW14 Tutorial Day.

This is a fantastic opportunity for individuals and teams of PHP developers to come together with some of the most experienced and influential developers for a full day of hands-on teaching and learning.

Within a dedicated classroom environment the tutors will take the developers through in-depth teaching with opportunities for group learning, individual coaching and questions.

Four tutorial rooms will be provided allowing for a maximum of 30 delegates in each room.

Price shown includes refreshments and catering costs and are per person inc VAT.

When?

Friday 3rd October, 2014

Where?

Manchester Conference Centre MI 3BB

How Much?

£125 Half Day Ticket

£215 Full Day Ticket

Best Deal!

£295 Conference & Tutorial Ticket

Sessions I would like to attend:

AM - 3 hours of Continuing Professional Development

- From SQL to noSQL (Derick Rethans)
 - Advanced Git Skills (Lorna Mitchell)
 - Getting Started with Amazon Web Services (Ben Waine)
 - Improving QA on PHP Development Projects (Michelangelo van Dam)
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PM - 3 hours of Continuing Professional Development

- Building an API with Apigility (Rob Allen)
 - Introduction to Docker (Andreas Hucks)
 - Developer Environments with Vagrant and Ansible (Michael Heap)
 - Testing with Codeception (Jeremy Coates)
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Benefits for the employee & the company - e.g. How this topic aligns with your learning goals

AM Session Abstracts:

From SQL to noSQL

This tutorial will explain the differences between different types of noSQL databases, as well as the CAP theorem. You will then progress to illustrate which paradigm shifts are necessary to successfully implement noSQL, using MongoDB as an example. The approaches to schema design, fault tolerance, the network breaking and latency are all things that are inherent to scalability with noSQL solutions. With this talk you will learn how to use MongoDB effectively, considering all the above mentioned situations. Covered subjects will be: CAP theorem, schema design, dealing with error situations and architecture of multi-node set-ups.

Advanced Git Skills

Get beyond the basics with this practical git session. Covering some useful switches to the commands you know well and looking at how to optimise your configuration to make your day-to-day work easier. Looking in depth at the concepts of branching, merging, tagging and collaborating with multiple remotes. There will also be guidance on how to make use of the more advanced features such as rebase, rerere and bisect. This is a hands-on session, please bring a laptop with git installed and be prepared to get some serious practice on all these topics. Working in local repositories as well as sharing code and collaborating on changes in GitHub. At the end of the session you will be able to make effective use of git's features, and untangle any git problem with confidence.

Getting Started with Amazon Web Services

Many companies are moving their traditionally hosted applications to the cloud and a large number of them choose Amazon Web Services due to their amazing range of products, stability and rich set of API's. This in depth workshop explains the various components of an AWS hosted application, how they compare to traditional hosting and how participants can harness them when hosting their own applications. This is a hands on workshop, participants will carry out an exercise demonstrating how to use EC2, VPC, S3, Cloud Front and Cloud Formation. Participants should bring their laptops and sign up to the AWS free tier before arriving at the workshop. Attendees are issued with a virtual machine with all AWS SDK's and tools installed. Please ensure you have virtualbox installed on your laptop.

Improving QA on PHP Development Projects

Everyone talks about raising the bar on quality of code, but it's always hard to start implementing it when you have no clue where to start. This talk will be showing that there are many levels of developers who can improve themselves by using the right tools. You will look over each tool with examples of how to use them against your codebase. A must attend talk for every developer that wants to scale up their quality. Most PHP developers deploy code that does what the customer requested but they don't have a clue about the quality of the product they deliver. Without this knowledge, maintenance can be hell and very expensive. This workshop will cover unit testing, code measuring, performance testing, debugging and profiling and give tips and tricks on how to continue after this workshop.

PM Session Abstracts:

Building an API with Apigility

Web service APIs are becoming more and more common and writing the plumbing for a good one isn't the most exciting code you'll ever write. Apigility is a PHP framework that provides tools for crafting web services, and a robust engine for delivering them in production. This tutorial will use Apigility to both discuss the specifics of what makes a good API, as well as to build a simple RESTful API to consume via a web-based interface. Over the course of the tutorial, we will look at the following: managing HTTP method negotiation, managing content negotiation, providing error handling, securing an API via authentication, authorization rules, and input validation, then versioning your API. We will discuss how Apigility will handle each of these details, allowing you to concentrate on your application. By the end of the session you will be able to create an API within Apigility, and will have the understanding to decide if Apigility should be used to build your next API. (Hint: it should!)

Introduction to Docker

Docker is all the rage right now. It opens up a whole range of possibilities from development to testing and deployment. It does, however, take some getting used to if you have worked with traditional VMs so far. This workshop introduces Docker with a short overview of the basic theory, and provides exercises for some of its use cases from a developer perspective: Working with containers, defining Dockerfiles, setting up services for development, predefined testing environments, and easy deployment and rollback for production environments.

Developer Environments with Vagrant and Ansible

"It works on my box". "I don't have a day to help Dave set up his new PC". "I swear I had the same version installed!" Sound familiar? It was for me too before I started using Vagrant and Ansible. Vagrant is a tool for automating the creation of virtual machines. Of course, that's only half of the battle - once you have a machine you need to configure it. That's where Ansible comes in. Ansible is a powerful automation tool (think Puppet or Chef, but with a much lower learning curve), allowing you to install software and configure things as you need in a reproducible way. By the end of this tutorial, everyone will have created a Vagrant box that installs PHP, Apache2 and configured an example website.

Testing with Codeception

We've probably all heard by now about Unit Testing, we may even have integrated Test Driven Development into our working practice. Less commonly known though are Functional and Integration Testing practices. Until now, at least in the PHP world, these have been quite hard to achieve. In this talk Jeremy Coates (@phpcodemonkey) will introduce these concepts and a tool chain to enable easy adoption.

40% of tickets sold on reputation alone

In 2013, the Blind Bird ticket release accounted for 40% of total sales

Conference Delegates

Our delegates historically consist of Developers, Programmers, Managers, Software Engineers, System Administrators, Entrepreneurs and Students.

2013 Delegate Job Roles

- **Developers**
63% Developers
37% Senior Developers
- **Management**
43% Senior Management
40% Technical Management
17% Management
- **Freelancers**
7%
- **Systems Administrators, Students & Recruiters**
3%

The graph shown is based on the job role information of the 403 respondents from last years 421 delegates who disclosed their job role

