

NOUFAL IBRAHIM

OBJECTIVES

To encourage the use of Free and Open Source technologies in the corporate and educational sectors in India leading to reduced costs, higher productivity and avoidance of vendor lock in.

To be a mentor and trainer to young engineers and to train them and nurture their technical skills.

SUMMARY

- Over 10 years of experience in the IT industry. Worked on all aspects of the software development process from architecture to implementation to release and sustenance.
- Active member of local Free/Open Source software groups and have delivered multiple presentations on various topics at local and international events.
- Organiser of the all India Python language conference "PyCon India" in 2009 for which I received the community service award in the third quarter of 2009 from the Python Software Foundation <http://pyfound.blogspot.com/2009/10/third-quarter-community-service-awards.html>
- Have conducted trainings for multinational clients like Cognizant Technology Solutions, Samsung, ESPN, Zeomega, Sears HC, EMC corporation and Intel.
- Presented a paper at PyCon APAC on Physics aware games (<http://ojs.pythonpapers.org/index.php/tppm/article/view/166>) which was later published in the Python Papers online journal.
- Conducted a tutorial on Python C extensions at the premier Python conference PyCon 2011 - <http://us.pycon.org/2011/speaker/profile/11/>
- Excellent command over written and spoken English.
- Conduct public trainings on niche and upcoming technologies <http://nibrahim.net.in/trainings.html>.

References can be provided on demand.

COURSES

All the courses will be customised based on customer requirements and will include hands on session and a quiz at the end to evaluate the participants.

If there are specific libraries or toolkits that need to be covered as part of any course, they can be customised as necessary.

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All courses will also be accompanied by a handout.

These are generic courses which are "free size". Targeted courses on specialised topics can be done if there's sufficient notice/preparation time.

Prices vary depending on the amount of depth required, number of students, location etc.

BASIC PYTHON

A training program that offers an introduction to programming in the Python language. Includes language basics and standard library.

ADVANCED PYTHON

A much more heavier course than the above for users of Python which emphasises real world examples.

OBJECT ORIENTED PROGRAMMING IN PYTHON

This course takes an audience through the complete design and implementation of a usable version control system in Python. It emphasises good development and architecture practices as well as python specific design patterns.

THE UNIX PROGRAMMING ENVIRONMENT/SHELL SCRIPTING

This is an introductory course that familiarises engineers with the UNIX environment. It will discuss the basics of the UNIX command line interface, the shell, I/O redirection and pipes. Common tools like grep, sed, awk etc. Workflows for development touching upon the C compilers, build systems, linkers, archival tools. Version control systems. This part can be customised to cover either CVS, Subversion, RCS or git. The two most common editors on the platform VIM and Emacs. Basic shell scripting and automation.

GIT FOR DEVELOPERS

This course covers the git version control system. It is targeted at developers and assumes some knowledge of version control in general. It covers git usage, internals, power tools, collaboration and version control best practices.

GIT FOR ADMINISTRATORS

This course covers the git version control system from the perspective of system administrators. It deals with issues like setting up repositories, access control, policies, backups and other such issues.

THE EMACS EDITOR

This is an advanced course meant for experienced programmers that introduces them to the customisable editor Emacs.

It will include discussions of various programming modes, editor customisation using Elisp, productivity tools inside Emacs and integration with external debugging tools like gdb and SCM systems.

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