Marc Stephen Nealer

2 Avon Walk | Basingstoke, RG21 4DJ | marcnealer@gmail.com | 07479 377732

OBJECTIVE

I am a skilled Django/Python programmer with 10 years experience in working in the educational sector. As well as my IT skills, I feel that I am an excellent communicator, especially with education staff. This has allowed me to work in partnership with schools Senior management to not only to apply software solutions for them, but also shape school policy where it interacts with the said solutions

EXPERIENCE

Willowtree Software Limited Basingstoke April 2015
Founder and Lead Developer
- Designing Business related web projects
- Scoping projects using mind maps and UML
- Building backend systems using Django, Django-rest-framework, and AWS
- Managing a front end designer building front ends using Angular.js as a basis

Thomas's London Day Schools   London ,   May 2008 - April 2015
Software development and database manager

- I was employed to manage an MIS system from Serco, and extend the system into areas that the original product didn't cover. This included writing a set of python libraries to access the MSQL database and extract data to go into excel sheets, cvs files, and to process into HTML based reports via the cheetah the plating library and make use of google charts.

- This job expanded into designing and producing a full custom MIS system, using django, with a PostgreSQL database back end and served from a Linux Apache server. The system also included a full REST API. I worked as the project manager with a junior programmer as an assistant, and did all the consultation on design and implementation.

- The system (WillowTree) went live in February 2013 and I have been working on add on and have just started on defining specs for a virtual learning environment.

- Areas covered by this, Python 2.7, Django, Psotgresql, Apache, CSS2, CSS3, HTML4/5, Javascript, jquery, google charts, email sends, sms sends

Various schools and language centers   Thailand ,2002 - 2008
Teacher and language teacher

- Working in various places in Bangkok and a north eastern City called mukdahan as a language teacher

J.P morgan   Bournemouth , July 2001 - December 2001
Automation consultant (6 month contract)

- Contract automation consultation working on mainframe systems, programming Rex based code to automate various operations tasks, to reduce workloads in other areas. Also consulted on various projects to reduce identify areas where workloads could be reduced by making changes.

Cap Gemini   Vauxhall, London   1998 - 2001
Cross platform automation consultant

- Started work in the mainframe automation department, but was promoted to the cross platform team, using various automation systems, such a tivoli, and CA unicentre.

- From there I was moved to the new customer liaison team to consult on where automation in its various forms could be used to reduce workloads when IT departments and systems were moved to Cap Gemini's control

EDUCATION
Open university
IT & Computing with focus on programming and system design,
 Details:

- My degree will be finished September 2016. I have focused in this degree on programming, project management

and software engineering

Bexleyheath secondary school   Bexleyheath, kent
Qualifications :
- A levels in computing and maths
- O levels in English, maths, chemistry, politics, and physics
- Cse's in geography, home economics, re

SKILLS

- Worked with Fluxbox open source windows manager adding extra functions to the menu system
- Experienced in Linux using Mint, Ubuntu, and PCLos
- Advanced python programming
- some Functional programming skills
- Basic Java programming skills gained from study last year
- Amazon web services implementations
- GIT version management
- Javascript skills.
- Django development
- PostgreSQL with connections into Django
- Configuring and optimizing PostgreSQL
- Use of the ORM at an advanced level including defining models, and adding methods, and using abstract model classes.
- Defining custom tags and filters for the Django Templating language
- Using TastyPie to produce a REST API
- Using South to update and modify the database model.
- Using Django-Extra to produce charts of the database
- Configuring Django to use memcache and cache python objects rather than whole pages
- Deploying a system via apache, the WSGI mod, and SSL
- Apache configuration skills
- Configuring the system with an email server.
- On the Frontend, I have used Dojo and some jquery elements we swapped to as Dojo is rather heavy on the system.
- I also added a number of CSS3 and HTML 5 elements to our front end pages
- configured the apache server and PostgreSQL server to optimise speed, and in the case of apache, to hold multiple virtual hosts and to use the wsgi mod.
- Very good communication skills, with technical and non technical staff, gained from years as a teacher.
- Good project management skills, including working in an agile project management style.
- Very good problem resolution skills, gained from working in automation.

INTERESTS

I am very passionate about open source software and would like to see this being used more and more. I converted to using Linux based systems about 7 years ago and have settled on Linux Mint as my standard desktop system.

I'm also interested in cooking and cooking styles.

However most of my free time is taken up with work or studying for my degree with the OU.

References are available upon request.