Soroush Atarod

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I utilize my spare time, by working on my own programming projects, which is clearly an indication of my passion for this field.

SKILLS

- **Programming Language:** PHP , C++, C#, Java , Shader
- **Development Tools:** Perforce, Visual Studio, Netbeans, Eclipse, Nvidia NSight, Toad for MySQL, PHPExcel,
- **APIs, Libraries:** OpenGL, GLSL Shaders, Highchart js, Smarty, Memcache, APC, Amazon EC2 , XML
- **Frameworks, CMS development:** Codeigniter HMVC, Wordpress
- **Databases:** MySQL, MongoDB, Couchbase
- **ETC:** jQuery, htm5, css3, AJAX, Responsive Design, Amazon ec2, configuring LAMP, samba
- **Game Programming:** Real time shadow mapping, Phong light, Height Map, Physics Rigid and Soft body.
- **Networking:** TCP/UDP with PC, Network Queues

Employment Experience

Back-End developer - PHP

Thermionix Newcastle upon Tyne, U.K

Newcastle University work experience scheme. Developing two portals with each having their own Access Control List. Web services is being used as source of interaction to the database. The portals are designed using Twitter Bootstrap (Responsive)

Backend and Frontend Developer - PHP

Musaada, http://www.musaada.com/   Personal Project
A classified website designed and programmed from scratch using a custom written MVC framework.
Features: Geo Location detection, Caching mechanism (APC and Memcached), ORM, Twilio SMS integration. In-built cache mechanism. Can present the framework upon request.

Junior Backend Server PHP Programmer

UBISOFT Abu Dhabi, U.A.E - June 2012 to Jan 2013
Latest studio of UBISOFT. I was selected as one of their first in-takes.

- Performed Stress Testing using Apache Jmeter on Couchbase, MongoDB and Mysql. Used Cacti as source of analysis to create reports which included the benchmark of each databases.
- Developed a web application which read data from excel document. Used PHPExcel as the library.
- Worked on a custom PHP engine, Added several libraries such as asset control system, integrating with memcached and APC cache.
- Provided back-end support to the front end developers, providing Facebook user data, game support etc
- Programmed Database Abstraction Layers which can be extended and use different types of database types.
- Wrote Shell scripts, to patch environment configuration of developers and automating installation of Linux for new developers.
- Installed CentOS and configured the development environment. Creating new users, managing Samba, allocating each developer with their own work environment.

Freelancing

- Saado - http://project35.infinitypp.com/ (**Wordpress - PHP**)
  - A single page search engine friendly wordpress website
  - Two custom plugins were written from scratch – Background slider and Slide show plugin
  - Multi-language support

- HR Management (**C#** Windows Form https://www.youtube.com/watch?v=Jha_iD5j_nQ
  - Included reporting, Users can generate report. Export to Excel, PDF and Print
  - Login mechanism, resetting of password

- Hotel Management System (**C#** Windows Form https://www.youtube.com/watch?v=GPCu5GUgS4c
  - Managing the customers of the hotel
  - Check-in, Check out of rooms
  - Managing the rooms of the hotel (Available rooms , Booked rooms etc)

Assignment Manager - Android

https://play.google.com/store/apps/details?id=com.my.trial

Application that helps students manages the assignment dates.

Technical Features:

- Creates alarm services that notifies users about specific events that they created.
- Displays notification on the specific days and time user selected
- Applied best programming practices of Google such as increasing list-view rendering performance by hard-coding list-view heights etc.

Backend and Frontend Developer (PHP)

Infinity++, Dubai – Sept 2011 to Jun 2012 - YouTube

Project: BOST Blackboard System

A University system which consists of several portals ranging from Lecturer portal, which posts marks student, post course to content to the Finance portal which manages the tuition fees of the students. I developed and designed the portal on my own.

EDUCATION

Masters in Computer Game Engineering   Youtube

Newcastle University, Newcastle upon Tyne, U.K- Sep 2013 to Sep 2014

A one year master's program, which trains students on developing game engines from scratch using C++ and OpenGL. The engine features Graphic and Physics both written from scratch. The final year project was to develop a multi-player racing game in which 4 players can play real-time. I was given the role to develop the networking side of the game.

Bachelors in Computer Science

University of Wollongong, Dubai, Feb 2008 to Sep 2011

- Programming windows applications using C#
- Designing of databases
- Applying dynamic programming to projects.

AWARDS

Global Startup Youth Summit, 2013- Malaysia - http://www.globalstartupyouth.org/

Selected as a Coder and an entrepreneur to develop applications based upon requirements.

VOLUNTARY EXPERIENCE

Bookstore Assistant, Oxfam, Newcastle upon Tyne, 2011 ~ United Kingdom.

I volunteered for a period of three months, as a bookstore assistant. Duties: helped customers, sorted and priced books as-well as cashier teller.