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MARK HEWITT

Full-Stack Web Application Developer



Contact Information

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About Me

I am an experienced web and software developer and have worked for several years in a variety of positions and environments. My primary focus the last few years has been the development of browser based applications and hosting platforms using the LAMP stack (Linux/Node.js/Nginx MySQL/PHP/Javascript).

Have worked for large corporates, start-ups and freelance, in both on-site and remote working teams. This has given me a solid insight into the various challenges experienced by the various players and the trade-offs that needed to be made between technology and business.

Work experience includes work in military, financial (online stock trading), medical, documentation management, CMS, site hosting and general web applications.

One of my strongest skills is the ability to rapidly adapt to new environments and technologies. I thrive on learning new skills, experimenting with the latest technology and furthering my experience through new and interesting projects.

My view on building solutions for business is that no one tool fits all solutions, each problem needs to be analyzed and its unique aspects taken into account, and the correct technology set applied to the task at hand, meeting the clients requirements not only in performance and technology sectors, but also in cost of ownership and future enhancements

Qualifications

Matric	1994	Maths HG Science HG Accounting HG Geography HG English HG Afrikaans HG
Bsc. Computer Science	1997	Computer Science [7 th Subject] Computer Science [major] Operations Research [major] Statistics[minor]
Designing Systems in UML Certificate	2001	
Diploma in Applied Project Management in IT	2003	

Skill Matrix

CPU Hardware

8086/386/Pentium

Operating Systems

MS-DOS
Windows 9x/NT/2000/XP
Linux/FreeBSD

Development Languages/Technology/Framework

PHP	Apache / Nginx
JavaScript	Gearman
jQuery	Node.js
Bootstrap	Zend Framework
AngularJS	EXT 3.x / Sencha JS
CSS3	PHP Smarty Templates
HTML	MySQL
Perl	MS SQL Server/Access
MS Visual Basic	SQLite
C/ C++	Win32 API/GDI
.Net [C# / VB.Net]	ADO/MFC
Delphi 5	DirectX
Java [J2SE/JSP]	ATL/COM/DCOM
XML	OO Programming
Clarion	UML Modeling
Progress 4GL	Oracle

ExpertRating Certified Professional

PHP – Transcript ID 610563

GPA: 3.6 Ranked in top 8%

www.expertrating.com

(Note the above matrix shows technologies I have worked with in the past, it is more to show the depth of my experience rather than latest technology worked with, as I feel abroad experience is more important than knowing one thing off by heart)

Other interests:

1. Reading
2. Movies
3. Sailing
4. Diving
5. Hiking / Camping / Climbing
6. Investing / Trading
7. Gardening (Vegetable)

Employment History

January 2011 – July 2015

Senior Developer

www.enjin.com

Skills: PHP, MySQL, jQuery, Bootstrap, AngularJS, HTML, CSS, Node.JS

Contracted to continue the development of a custom CMS for hosting gaming guilds. Worked on developing all aspects of the system from back-end administration to front-end modules. Work included building scrapers and API consumers for importing data.

Distributed team environment working closely with lead developer and some juniors. Worked with tools like Git, Slack, Bitbucket and Bamboo for build and code management.

Large high-performance environments with multiple web hosts and hundreds of thousands of users work as also very performance focused. Security was a high concern as we were often target of hacking attempts great care was paid to patching existing security vulnerabilities as well as to ensuring new code was secure.

March 2010 – January 2011

Took a few months off for a small sabbatical and to develop some other business interests. The day to day operations of these have been taken over primarily by my partner, and I am looking for another position in IT.

March 2007 – March 2010

System Architect

File56 Technology Holdings

Skills: PHP, MySQL, JavaScript, EXT, MSSQL, C#, C++, Anotto

Was hired full time by a client [File56] I worked for in my business below.

Responsible for all IT infrastructure, architecture, design and development of systems.

Work included development of the companies primary product, an electronic doctors notes management system for the medical industry using the Anotto digital pen.

At the same time developed products for the financial industry, including a document management system and a complete online trading platform [including placing live trades into the market] using the EXT JS user interface libraries.

All development was done almost exclusively with open source technologies, primarily PHP, MySQL and JavaScript on FreeBSD servers. C# / C++ was used for desktop applications backing the online services.

August 2004 – March 2010

Self-Employed [independent consultant]

Skills: PHP, MySQL, Perl, ASP, ASP.Net, SQL Sever, C++, Linux, C#, VB.Net, VBA, other

Operated as an independent consultant developing various systems and small projects for clients locally and in the UK. Systems were primarily PHP web-based applications, as most freelance work was/is in this area at the current time.

Projects included:

1. **[C++] CATS – Physiological testing software**
Re-engineered a Delphi system into C++ with modern Office 2003 GUI
2. **[VB.Net Forms] Wave Studio Scheduler – Scheduling Application**
VB.Net application on SQL Server for scheduling appointments
3. **[C# Forms] Newsletter Distribution Engine**
C# application with MySQL database allowing management of client list and editing of HTML newsletter templates with SMTP distribution of compiled HTML email to select portions of the list
4. **[PHP] File56.com**
PHP/MySQL advanced email filtering and document management system. Windows Explorer like UI written in JavaScript. Custom Postfix content filter parses MIME mail in MTA and injects it into the document system.
5. **[PHP/VBA] Med56.com**
Extension of the File56 system to include synchronization with an Excel spreadsheet application storing data in MySQL as CSV, and regenerating Excel file from a template and the CSV data, maintaining an update-to-date online copy of the offline application.

January 2004 – July 2004

Technical director for web start-up [Cape Town, 50% partnership venture]

Skills: PHP, MySQL, Apache, Linux, FreeBSD, shell scripting, Perl, JavaScript, C/C++, Sqlite

Went to Cape Town to work with a partner on a web startup company. Acted as technical director, was responsible for all technical management, development, etc.

Work experience included:

1. Client meetings, proposal development and “pitch’s”
2. All system architecture, design and most development
3. Interviewing employees

Achievements:

1. Developed custom in-house CMS systems
2. Hired and management junior developer
3. Sourced and won various projects and contracts

Reason for leaving:

1. Unsatisfactory performance and future outlook of partnership

October 2000 – December 2003

Analyst/Programmer

ISIS Advanced Systems Division [Now GRIDS]

Skills: C++, COM/DCOM, Access, Delphi, VB, Oracle

Hired by a military contractor in Pretoria to assist with advanced military radar tracking system research development. Work included building a distributed plot tracking system as well as work on various existing systems.

Work experience included:

1. DCOM/COM component design and development
2. Developed a VB/HTML template reporting system
3. Work on a VB/C++/Oracle based ground-command and control system

4. Trouble-shooting on a Delphi/PIC radio simulation system
5. Provided leadership, mentoring, design and development on several systems implemented by junior developers including an Oracle forms application and 2 Access/MFC based projects.
6. Tested and formed part of the interview process of BEE junior developers

Achievements:

1. Worked on DCOM based distributed plot tracking system
2. Assisted other employees on various providing problem solving skills
3. Mentored BEE trainee employees

Reason for leaving:

1. Left for Cape Town to work independently in a web startup partnership

July 1998 – September 2000

Systems Analyst

Port Elizabeth Electrical Engineers Department

Skills: Progress 4GL

Hired as a systems analyst to design, develop and deploy Progress 4GL database systems for management of electrical department facilities, including metering and customer service.

Work experience included:

1. Learning and developing with Progress 4GL character and GUI V8
2. System analysis, design and implementation
3. Advice and training to junior developers

Achievements:

1. Learn Progress 4GL on the job.
2. Introduced existing developers to new general development techniques
3. Developed more efficient techniques for solving current implementation problems
4. Implemented several systems from analysis to deployment

Reason for leaving:

1. Offered a position by military contractor in Pretoria

Pre-July 1998

Private projects

Skills: C++, MFC, DirectX, Access, x86 & MMX Assembly, Java

Worked on several private projects including a full-scale isometric 3D video game, including all coding, artwork and design, selected to be published on a compendium CDROM in the US.

Work experience included:

1. DirectX 2D and 3D
2. x86 assembly and MMX assembly

Achievements:

1. Developed a complete DirectX based PC game from conception to release
2. Developed a small shareware that was sold for a period on shareware download sites

