

JULIO F SCHWARZBECK

BACK-END PROGRAMMER, WEB APPLICATION ENGINEER

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julio@techfuel.net
(541)-400-0909

Profile

Experienced web developer with over twelve years in hands-on developing dynamic web applications and computer system architectures. Innovative professional with proved ability to analyze, plan, design and architecture complex dynamic back-end and web applications through expertise in:

Skills

Web Applications

Creation of dynamic web applications using python technologies, including Zope and web2py. Extensive experience using back-end programming to "glue" different platforms in different operating Systems.

Back-end Applications

Secure transaction applications, transferring of data in secure environments using cutting-edge technologies, implementation of custom business rules into existing applications with minimal intrusion, scripting and extensive understanding of technology.

Project Direction

Proven ability to lead and manage a wide variety of design and development projects in team and independent situations. Excellent multi-tasking abilities and committed to meet set deadlines.

Technical

XHTML 1.0/1.1 Certified

Python Advanced

OS X / Linux Advanced

CSS (Incl. Level 3)

SUDS

Bash Scripting

JSON/jQuery

web2py / Django

C#

XML

Zope (Expert in versions 2.x)

MySQL

Javascript

Mercurial (Source Control)

Linux (Ubuntu/RedHat)

Experience

Fisher Investments, Vancouver WA.
Application Developer

2008-Present

In charge of the internal back-end transaction systems, implementer of custom business rules for CMR, technical advisor to different business units. Hands-on programming of all systems dealing with transmission of data to and from the firm. Zope application framework developer for internal systems.

National Services Group Corp, Irvine CA.
Software Engineer

2006-2007

In charge of a large-scale custom integrated system based on the Zope framework, a nationwide access system. Plan, design and implementation of custom requirements, including implementation of upgraded and new technologies for the Zope framework in the Linux environment. Payroll connectivity to SYBASE-based database system for the accounting department. MySQL database administrator. System maintenance administration using CRON and Python scripts. High-performance load balancing server setup using Apache/Pound and ZEO. Software administration for the company-wide web servers for intranet and internet access.

CodeIt Computing, LLC, Irvine CA
Software Developer / Programmer

2000-2006

Involved in planning, design and implementation of dynamic web applications, translation services and quality assurance and testing of new and current systems. Unit testing in order to achieve desired application functionality. Creation of system prototypes before the design phase of complex web applications. Maintenance of bug-tracking system on assigned projects. Coding of low-level functions written in Python programming language to act as a glue to interact with external application in the Linux environment. Testing current systems on new platform versions. Use of simulation processes to forecast system behavior under high load environments. Localization (language selection and translation) of current web systems. Sr. software developer and maintainer of largest customer in company, in charge of Web Development and maintenance of a large scale international retail store.

LASON International, Anaheim, CA
Developer / Team Lead

1996-2000

Managed a group of 10 programmers for in-site application development for a Data Entry Warehouse company, involving the reception of images via satellite and the transmission of OCR-processed data back to the data center. Responsible for First Quality Assurance supervision on software releases. In charge for the scheduling of bug corrections. Main developer of tracking system software, involved in the reception and transmissions of images between USA, Mexico, China and the offshore Caribbean countries of Grenada and Barbados, West Indies, worked on-site. (College Thesis). Primary consultant on technologies to apply to current and new systems. Database System Architect. Developed the company's web-based application to view the status for all the images being processed real-time. Defined internal program requirements and quality control processes. "... *If we can find five more Julio's, we will definitely be set.*" - **Richard Coleman** - (CEO, Digital Imaging Branch).

La Salle University, Sonora State, Mexico
Associate Computer Science Teacher / Lab

1996-2000

Taught computer science, programming languages, and mathematical programming. Creator of the high-school teacher's manual on Object Oriented Programming. Involved in the decision-making process for acquiring new computer systems. Setup of the first Internet-ready computer laboratory.

Education

Instituto Tecnológico de Sonora, Sonora México

Bachelor of Science in Manufacturing and Systems Engineering

Sonora Institute of Technology, Obregon City, Sonora State, Mexico, is a U.S. recognized University with a degree equivalence of Industrial and Systems Engineer

Freelance Projects (Creator)

pyForum - Web based application based in the web2py python web framework (<http://www.pyforum.org/>)

QAStack - A Q&A site for the open source community (<http://www.qa-stack.com/>)

i-Track - Web based issue and bug tracking system (<http://www.i-track.org>)

TechFuel Networks - Founder, personal web site (<http://www.techfuel.net>)