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# JULIO F SCHWARZBECK

APPLICATION DEVELOPER, FULL-STACK WEB PROGRAMMER

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## Profile

Experienced web developer with over fourteen years of hands-on experience developing dynamic web applications on different computer system architectures. Innovative professional with proven ability to analyze, plan, design, and architecture complex dynamic back-end processes and front-end web applications through expertise in:

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## Skills

### Front-End Applications

Complying with industry standards when using web technologies such as HTML5/CSS3, best practices using JavaScript/AJAX on different pattern-oriented libraries and frameworks such as jQuery/jQuery-Mobile, Kendo and others. Use of RESTful Web Services to provide interoperability between computer systems, and good knowledge of the web application framework stack using Open Source technologies mostly in Python such as Zope and Web2Py.

### Back-end Applications

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

### Project Direction

Proven ability to lead, manage and team participation on a wide variety of design and development projects. Excellent multi-tasking abilities and fully committed to meet set deadlines.

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## Technical

HTML5 Evangelist

Python Advanced

OS X / Linux Advanced

CSS/CSS2/CSS3

JavaScript/Best Practices

Bash Scripting

JSON/jQuery/Mobile API

web2py, Django, Zope

MySQL/Postgres/SQLite3

Mercurial (Source Control)

Linux (Debian/RedHat)

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## Experience

Fisher Investments, San Francisco, CA & Camas, WA.  
Application Developer, Sr.

2008-Present

In charge of internal back-end transaction systems, design and implementation of custom business rules for firm's CRM, technical advisor to different business units. Hands-on programming of all systems that handle transmission of data to and from the firm. Mobile web application developer, first to propose, design, and deploy a full-fledged Mobile web application to use by the external sales force allowing the sales group to increase their prospect and client processing and conversion dramatically.

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National Services Group Corp, Irvine CA.  
Software Engineer, Sr.

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.

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## CodeIt Computing, LLC, Irvine CA

2000-2006

Software Developer / Programmer

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.

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## LASON International, Anaheim, CA

1996-2000

Developer / Team Lead

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).

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## La Salle University, Sonora State, Mexico

1996-2000

Associate Computer Science Teacher / Lab

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.

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### 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. accredited regional college with a degree equivalence of a B.S. in Industrial and Systems Engineering.*

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### 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>)