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Data presentation over the Internet

Real-World Understanding
- I design interfaces with a strong sense of on-screen aesthetics and ergonomics**.**
- I can analyze business processes and rules, and create a database application that models those.
- I have a deep understanding of **MRP, ERP** and business intelligence applications.
- I have a reputation of 2,300 on www.stackoverflow.com. (reference: Smandoli)

Good Tools
- Data modeling with **MySQL**, **Microsoft Access** and **XML**. Strong **SQL.**
- Web development with **PHP, XHTML, CSS3, JavaScript, JQuery** and **Smarty**.
- Scripting with **Python** and **VBScript** on the **Sublime Text 2**.
- Project Management with **wikis** and **Microsoft Visio**.
- **Linux** administration (Ubuntu, centOS, currently using Mint).
- I've used **LAMP, WampServer,** and **httpd** as local web-server environments.

Good Work
- Ability to work on a team, building consensus and facilitating communication.
- I am careful, conscientious, personable, **honest** and **highly motivated.**
- Exceptionally strong speaking and writing skills.

Employment

Software Engineer – I.C. Solutions
San Antonio TX, Aug. 2012 to Feb. 2013
- I worked with a web development team of five or six engineers using **bazaar** and **mantis** for project management. The team maintains a web portal for a highly complex telephony application. The core is C, .NET and Java. The user interface supports **PCI-compliant eCommerce**.
- I developed or edited **PHP** code using **JavaScript** with **AJAX** to serve up data from a **Postgres** database.
- My preferred development environment used **centOS Linux** with an **httpd** web server and **NetBeans** for editing code.

Web Developer -- Contract

San Antonio TX, March. 2012 to May. 2012

- I modified code for processing user actions on the fantasy sports site www.sportsbox.com, which is built in **Python** using the **Pyramid** framework.

Web Developer -- Independent Contract

Home-based, 2004 to 2012

- The subscription-based site at www.spapartscenter.com is an on-line knowledge base for locating and reviewing tens of thousands of products or parts.
- Parts can be filtered and searched by PN, description, category, and manufacturer. Data from a part's suppliers can be searched as well as manufacturer.
- Detail pages show many relationships between parts, such as sub-part (for example a pump, and the motor that powers the pump) and equivalence for substitute use.
- This site uses **CSS** layout with **PHP 5** and **MySQL 5.** Quality is maintained using **SimpleTest** and **PHPunit.**

Database Developer at Fountain People, Inc.

San Marcos TX, Oct. 2003 to Sept. 2011

- Developed a database using **Microsoft Access** that currently serves up to 14 users concurrently with almost no incidence of data corruption.
  - o Project management, **CRM**, product costing and **Business Intelligence**.
  - o Work flow notifications, object-based forms and automated client deployment.
- Development of **ERP** processes for an engineer-to-order manufacturer.
- Mining data from **MAS 90** accounting/logistics software using **VBA, DAO, ADO** and **ActiveX**. Analysis of production and sales with use of standard deviation.

ASP/Web Developer at Jabil Circuit

Round Rock TX, Dec. 2000 to Jan. 2003

- Formerly DTP (US), Inc. I used **VBA** to query a complex legacy databases and yield internal reports in Excel. This replaced a full-time customer service position.
- Created an SMI data exchange systems serving Hewlett-Packard and Best Buy. These included real-time visibility into DPT's finished goods inventory, and an automated interface for DPT's shipping department that produced documentation such as Customs Invoices. This accredited DTP (US) as a Virtual Sourcing Supplier.
  - o B2B data transmission using **HTML, XML** and **ASP**.
  - o Automated FTP exchange of XML files.