

Objective

A software engineering position where I can contribute to the success of a company while sharpening my skills.

Summary

Motivated, fast developer, fast learner, with a very broad scope of expertise and outstanding communication skills. Demonstrated expertise in J2EE as well as Windows development. Capable of designing, implementing, deploying, and supporting complex applications with very little help or supervision. Strong business background and fluent in English, French, and Arabic. Proficient in Spanish. Capable of assuming many engineering roles at once and really enjoys his work.

Skills

Highly skilled in: Perl, CGI, PHP, C++, C#, Java, Visual Basic, Velocity, Ruby, Tcl/Tk, JSP, MFC C++, InnoSetup script, Installshield Script, Pascal, Unix Shell scripting (bash, csh, sh), Linux, WML (including device specific tags for Motorola, Nokia and others), CHTML, HDML, HTML 3, DHTML. Expertise in: J2EE, HTTP/HTTPS, IMAP4, POP3, SMTP, SMS, WAP.

Experience

Winbond Electronics Corporation America, San Jose, CA 6/2003–Present

Business Systems Analyst III

- As a Business Systems Analyst, I developed the company's Opportunity Tracking system using PHP and MySQL on a Redhat Linux Web Server. The system allows delegation of tasks, multi-level approval of additions, changes, and comments as well as other confidential features. This system was praised by several of the company's representatives as the best opportunity tracking system they have seen from any of their principals. Representatives' principals include such companies as Intel and Texas Instruments.
- Implemented the Marketing department's Content Management System using PostNuke as the basic engine and customizing it to fit the organization's needs. System includes a discussion forum, an upload/download section and a customer support FAQ section populated by marketing and engineering as well as other confidential features.
- Automated the company's forecasting process by retrieving sales forecast data from a legacy database and converting it into a production planning document used by production in Taiwan to start wafers.
- Automated the company's price book generation process.
- Automated the company's sales forecast adjustment process.
- Saved the company over 2000 dollars per month in web hosting costs by moving its website to a dedicated hosted Redhat Linux Server. Server has had a perfect uptime record since I installed and configured it in June.

Consultant

3/2003–6/2003

- Reduced workload of marketing operations manager by 70%.
- Automated time consuming repetitive tasks like the creation of Microsoft Excel reports from Sales Forecast data stored in MSSQL database using PHP, ADO, and Visual Basic.
- Created automated daily and weekly orders and backlog reports for upper management and products managers to keep track of pending shipments and new orders.
- Created automated daily sales reports summarizing sales activity by Sales Manager, by Region. Data extracted automatically from MSSQL DB.
- Automated weekly report sent to headquarters about the sales performance of Winbond America. Report includes detailed sales, bookings, shipping and forecasting data by product family and sales region as well as charts and other useful sections. Report is sent as a formatted Excel document. Data obtained automatically from MSSQL database.

VDK Architects, Oakland, CA

2/2003–3/2003

Consultant

Developed an Access Database and User Interface for customer and project management.

- Designed and implemented the database schema for the application.
- Created a complex user interface that is both intuitive and powerful to input new projects and customers, to query against existing projects and customers and to generate various reports used by management.
- Deployed the application at the customer's site and trained personnel on using and maintaining it.

WTTtech, LLC, San Jose, CA

2/2002–Present

Sr. Software Engineer

- Designed and implemented the HostYourOwnWeb! Product using Visual C++ and InnoSetup. Product includes a configuration interface for the Apache Web Server, a Dynamic DNS Client and a Watchdog. Product is a complete broadband web hosting solution.
- Designed and implemented HostYourOwnWeb's advanced activation based licensing system.
- Implemented extensible IP discovery mechanism through the use of C++ and XML. List of IP discovery servers and parsing parameters is completely initialized from an XML file.
- Implemented extensible dynamic DNS client through the use of C++ and XML. Dynamic DNS services are read from an XML file. Program reads all necessary communication parameters and variables from XML file and fills in the missing information at runtime.
- Implemented instant phone notification of sales made. Notification system alerts sales staff of executed sales minutes after they are received.
- Implemented the e-commerce solution needed to accept online credit card payments.

iDini Corporation, San Jose, CA

10/1999–2/2002

Sr. Software Engineer

- Developed and co-designed the Mobile Desktop Platform, a framework based on J2EE which included distributed session management, XSLT transformation of XML into wireless markup languages, and interfaces for various Microsoft Office applications.
- Developed the Mobile Exchange Product, which interfaced with Microsoft Exchange to provide customers with a complete mobile email and productivity suite. Functionality included access to the address book, notes, email and calendar. This was done using Java to COM technologies and the Microsoft Messaging API (MAPI).
- Using Java Servlets, XML, XSL and the Mobile Desktop Platform, developed and successfully deployed a scalable wireless email solution for Taiwan's largest Telecom Carrier.
- Served as field sales engineer on several sales and business development meetings with potential customers and partners.
- Responsible for developing and presenting to upper management project scoping and preliminary architectures for all projects.
- Co-designed and implemented the next version of the Mobile Desktop Platform based on J2EE and the Jakarta Struts framework. Platform supported JSP, Servlets, Velocity, as well as XSLT when struts only supported Servlets and JSP. Platform was scalable and had a very fast distributed session management using Oracle.
- Architected and supervised the development of complex document viewer technology for mobile devices on the new wireless platform. Document formats supported included Word, Excel, PowerPoint, Text, Html, Gif, Jpg, Png, Pdf, and several other formats.
- Led a team of 12 engineers in the creation of two new best-in-class wireless software solutions based on iDini's wireless document viewer technology using Java Servlets, MySQL/Oracle databases, Tomcat and Apache.
- Implemented product enhancements that improved scalability, resulting in customer savings of \$200,000 in software and hardware setup costs.
- Developed an SMS notification prototype using Java Servlets. This prototype solution sends a short SMS alert to the users' phones with a link to their email accounts when they receive new emails
- Managed the skunk works team a team of engineers responsible for scoping, designing and implementing various prototype solutions for partners and potential customers. Prototypes were key in securing \$10 million in venture capital funding and the execution of a sales agreement with iDini's largest customers.
- Successfully deployed Mobile Desktop and ViewItNow products for the largest telecommunications company in Taiwan.
- Trained local technical staff on deploying, supporting, and improving deployed products.

HPS, Casablanca Morocco

6/1999–8/1999

Consultant

- Trained interns on e-commerce and security including HTTPS, Credit-Card Authorization systems and online payment systems.
- Helped design the e-commerce extension to the PowerCard product.
- Designed the SMS notification feature of PowerCard, a complete banking solution deployed at banks worldwide. This was done using the SimpleWire C/C++ SDK.

S2M, Casablanca Morocco

8/1997–12/1997

Consultant

- Under the supervision of the IT manager, scoped, designed, and implemented a new Internet Service Provider service for the company.
- Designed and implemented the automated billing system in C.
- Integrated the new billing system with the Tacacs+ dialup authentication system to automate account management and billing.
- Created automated logging and connection accounting module for the billing system.

IUTA, Lyon France

9/1996–6/1997

System Administrator/Software Engineer

- Installed and administered a UNIX programming mainframe running Slackware Linux for the computer science department. The mainframe was used as a primary development host for over 150 users. The hardware used was a 486 100 MHz with dual SCSI hard drives.
- Setup web server with user access accounts and CGI scripting.
- Applied and wrote several security patches to the system.
- Created Tcl/Tk Administration interface on X Window. The function of the interface was to present information about security holes recently discovered and automatically patch the kernel or the software responsible for the security holes.

Schindler Inc., Lyon France

5/1996–7/1996

Software Engineer

- As the only developer, created an interface to collect time card information from the doorways of Schindler factories and integrate the information with the compensation software. Interface was written with C on Slackware Linux and accessed a DBASE 4 database.
- Expanded the compensation system to take into account sick days and leaves of absence and correlated those days with the data from the factory access system. This was also written in C on Linux and Windows.

Education

San Francisco State University, San Francisco, CA

Bachelor of Science – Business Admin. & Computer Information Systems

Institut Universitaire de Technologie, Lyon, France

Other – Computer Science

- Engineering Diploma In Computer Science
- Concentrated curriculum with strong emphasis on hands on experience.

Languages

- Fluent in English, French, and Arabic
- Proficient in Spanish