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Career Overview

- 1995 to 2002: Worked as software developer in Fujitsu Australia Software Technology (FAST).
 - Languages used: C/C++, Visual Basic and Perl.
 - Developed for Windows and Unix environments.
 - Programmed tools to generate HTML/CSS automatically.
- 2003 to 2006: Worked as a teacher at various institutions in Việt Nam.
 - Taught English to adults and children at several colleges and schools.
 - Taught Mathematics and Computing at a tertiary level at two institutions.
- 2007 to 2008: Worked as a systems analyst in Transmax.
 - Analysed and wrote software requirement specifications (SRS) for services in STREAMS - company's enterprise solution for computerized traffic management.
 - Supplemented SRSs with object models and user interface design documentation including Visio mock-ups.
- 2009: Currently self-employed, but open to other job opportunities.
 - Providing web design work to clients.

For further information, please see Work History further down in this document.

Education

| | |
|--------------------------------------|---|
| Currently Pursuing (2009) | Microsoft Certified Technical Specialist (MCTS) .NET Framework 2.0 – Windows Applications – C# |
| 2003 | Certificate in English Language Teaching to Adults RMIT University Vietnam |
| 1994 | Bachelor of Science – Mathematics (Honours) University of Queensland |
| 1993 | Bachelor of Engineering – Computer Systems Engineering (Honours) University of Queensland |
| 1988 | High School Senior Certificate Anglican Church Grammar School |

Skills Matrix

| Operating Systems | Experience | Rating |
|-----------------------------------|---|--------|
| Microsoft Windows NT / 2K / XP | Experience as an installer, programmer and user since 1995. | 5 |
| Linux (CentOS / Red Hat / Ubuntu) | Experience as a user, installer, and instructor. Some experience as a C++ programmer. | 3 |
| Sun Solaris | Experience as a user and C++ programmer. | 2 |
| Fujitsu MSP | Some experience with mainframe screen formats and file systems for this operating system. | 1 |

| Database Systems | Experience | Rating |
|------------------|---|--------|
| Fujitsu Jasmine | Four years experience on Windows NT client as user and programmer; some experience on Solaris client. | 4 |
| SQL Server | Schema analysis at Transmax. | 2 |
| PostgreSQL | Used database system for storage at own website. | 2 |
| CA-Ingres | One year of experience as user and interface programmer. | 3 |

| Computer Languages | Experience | Rating |
|--------------------|---|--------|
| C/C++ | 9 years of experience with the language(s) on Windows, Linux and Solaris. Created Windows MFC applications with C++. Instructed students in basic C. | 5 |
| Visual Basic | Two years experience with VB (6.0 and earlier). | 2 |
| Perl | One year of experience. | 2 |
| HTML / CSS | Written HTML and CSS for my own website. Written C++ programs to automatically generate dynamic HTML with CSS. Written Django templates to generate HTML. Familiar with most (X) HTML tags and CSS syntax. Instructed students in writing HTML. | 4 |
| JavaScript | One year of experience. Automated JavaScript generation with WebLink HTML templates. | 2 |
| XML | Three years experience with XML; also familiar with associated technologies (XML namespaces, XSLT and XPath). Programmed with Apache Xerces C++ XML and Xalan C++ XSLT parsers. | 4 |
| Python | Prototyping in WxWindows. Debugged the Python-powered YAML Parser PyYaml. My website uses Python and its associated web framework Django. | 3 |
| C# | Some prototyping in .NET at Transmax. Currently studying for the MCTS .NET Framework 2.0 Windows Applications certification (in C#). | 2 |

| Desktop Products | Experience | Rating |
|--|--|--------|
| MS Office (95/97/2000/XP/2003) | Used (and trained others to use) Word, Excel, Outlook and Power Point. | 5 |
| Microsoft Visual Studio (5.0/6.0/2005) | Extensive experience programming in 5.0 and 6.0; some experience with .NET 2005. | 4 |

| Other Technologies | Experience | Rating |
|------------------------------------|---|--------|
| Microsoft Foundation Classes (C++) | Two years experience of programming with Visual Studio 6.0. | 4 |

Rating Legend: 1 = Limited knowledge 2 = Basic understanding with some working knowledge 3 = Good understanding with solid knowledge 4 = Proficient user 5 = Excellent theoretical and practical knowledge

Work History

Software and Web Developer January 2009 – Present

Self-Employed

- Provided small business services supplying software and web development to clients.
 - Wrote HTML using HTML editors (e.g. Kompozer) and text editors (e.g. SciTE).
 - Full use of CSS to style web pages (i.e., table-less styling). Used Blueprint CSS framework.
- Developed websites using Django, a Python web application framework for dynamic content generation.
 - Sample: PostPressed - literary publishers (available at: <http://www.downandoutofsaigon.net/postpressed/>).
 - Currently migrating content from current website (<http://www.postpressed.com.au/>).
- Undertook professional development activities in C#.ul>- Commenced Microsoft Certified Technical Specialist certification for .NET 2.0.

Systems Analyst March 2007 – November 2008

Transmax Brisbane, Queensland

- Analysed and wrote software requirement specifications (SRS) for services in STREAMS - company's enterprise solution for computerized traffic management.
 - Examples of services: Link, Event and Alarm Management, and Response Plan services.
- Supplemented SRSs with object models and user interface design documentation including Visio mock-ups.
- Developed prototypes using .NET and Python / wxWindows.
- Performed product maintenance, analysing SQL Server 2003 schemas and rewriting software requirements, object models and user interface designs to match the implementation of services in STREAMS.
 - Examples of services: SIMS, Vehicle Detector, and Detector Site services.

Academic Faculty 2006

Cetanâ PSB Intellis Hồ Chí Minh City, Việt Nam

- Taught English to adults at different levels of language proficiency - from Beginner to Advanced.
 - Instructed using textbooks *Headway* and *Inside Out*.
- Developed exams and new teaching materials for several English classes.
- A particular achievement was being selected to teach a class of learners at the People's Committee of Thủ Dầu Một, a township 20 km north east of Hồ Chí Minh City.
- Taught Diploma level courses including Statistics for Marketing, IT for Hospitality, and E-Commerce.
 - Learnt new material quickly in order to instruct others.
 - Demonstrated versatility with complex content and used strong communication skills to impart knowledge to advanced learners.

English Teacher 2005 – 2006

British Council Hồ Chí Minh City, Việt Nam

- Taught English to adults at different levels of language proficiency - from Beginner to Advanced.
 - Instructed using textbooks *New Cutting Edge*.
- Taught "Starters" and "Flyers" Young Learner classes to pre-adolescents at this school. Provided direction to teacher aides to support classes.
- Developed new teaching materials for classes.

English Teacher
2005 – 2006

Phan Chu Trinh Primary School
Hồ Chí Minh City, Việt Nam

- Delivered a teaching program to English grade 1 and 2 classes utilising high level speaking and listening skills to supplement existing core English classes.
 - Instructed using textbooks *Let's Go (1 and 2)*.
- Used communication skills to deliver material in an age appropriate manner and maintained discipline in the classroom.

English Teacher
2005 – 2006

Lê Anh Xuân Middle School
Hồ Chí Minh City, Việt Nam

- Delivered a teaching program to English grade 6 and 7 classes utilising high level speaking and listening skills to supplement existing core English classes.
 - Instructed using textbooks *American Hotline (Starter and Early-Intermediate)*.

English Teacher
2004 – 2005

International Language Academy
Hồ Chí Minh City, Việt Nam

- Taught English to children at different levels of language proficiency - from Beginner to Advanced.
 - Instructed using textbooks *New Cutting Edge*.
- Taught "Starters" and "Flyers" Young Learner classes to pre-adolescents at this school. Provided direction to teacher aides to support classes.
- Developed and taught "English for Maths and Science" - a course that taught the English vocabulary for high-school level Mathematics and Science. Course targeted at Vietnamese who wanted to study in English language high schools, but knew the subject areas in their own language.

Academic Faculty
2003 – 2004

RMIT University Vietnam
Hồ Chí Minh City, Việt Nam

- Taught mathematics for Bachelor of Applied Science course.
- Taught mathematics and computing for University Preparation Program. Areas covered include:
 - C programming;
 - Basic networking concepts (TCP/IP);
 - Operating systems (Windows and Linux); and,
 - Web development (HTML).

Software Engineer
1995 – 2002

Fujitsu Australia Software Technology
Brisbane, Queensland

Major Projects completed:

Fujitsu Direct
2002

Fujitsu Australia Limited (FAL) commissioned FAST to design a new electronic commerce site called "Fujitsu Direct". Through web browsers, customers could order and purchase products from Fujitsu or several other suppliers. Fujitsu Direct also had to interface with existing FAL accounting software. To produce Fujitsu Direct, FAST was asked to take Fujitsu Japan's (FJ) web commerce software called Commerce Trader (CT) and customized it for FAL's needs. The CT servers were installed on Sun Solaris machines. They used Jasmine, FJ's own object-oriented database server, as a data repository; they used WebLink, a HTML template language associated with Jasmine, for dynamically generating content.

Role:

- Wrote Perl scripts to convert price files from several Fujitsu suppliers into a common XML format. Fujitsu Direct used this to determine what prices to sell items to each customer.
- Acted as support person for FAL, responding to problems with Fujitsu Direct and resolving them.

- Altered, tested and debugged WebLink template files.
- Wrote and modified Unix scripts to automate tasks on the Sun Solaris box.
- Assisted setting up a test environment for Fujitsu Direct.
- Modified existing CT code written in C++ and embedded in ODQL, an object-oriented query language used by Jasmine.
- Acted as support person for Fujitsu Direct.

XML for Jasmine

2000 – 2002

Jasmine is an object-oriented database produced by Fujitsu Limited and Computer Associates. Fujitsu asked FAST to augment Jasmine so it could read and parse XML files using the DOM (Document Object Model) API, and to add other XML-related APIs as appropriate. I entered the project after FAST had implemented the DOM Level 1 API using the Apache Xerces C++ XML parser.

Role:

- Added Jasmine interfaces for:
 - DOM Level 2 API;
 - XSLT (eXtended Stylesheet Language Transformations); and,
 - XPath.
- Wrote and edited automated tests written in C++ embedded in ODQL for:
 - Existing DOM Level 1 interface;
 - Additional interfaces created for the project.
- Executed automated tests on the software, and resolved all bugs discovered during testing.
- Resolved bugs and other issues discovered by other personnel.
- Described XML interfaces in videos for an educational tender from Fujitsu Japan to India.
 - Drafted Power Point Presentations for videos.
 - Wrote scripts, and spoke to camera during filming in Salt Lake City, Utah, USA.

Mainframe Emulation for HTML

1999

A Fujitsu customer wished to replace IBM 3270 mainframe terminals, which are restricted to displaying text, with web browsers. The customer used PSAM, a mainframe screen description language, to represent user interfaces to mainframes. The goal was to replace each PSAM file used with a corresponding HTML file that emulated its behaviour interacting with the mainframe. The customer required INTERSTAGE, Fujitsu Japan's middleware product, to be used to interface the mainframe in lieu of terminals. One caveat of this project was that no modifications to mainframe code would be necessary.

Role:

- Developed C++ program that used dynamically generated HTML files from parsed PSAM presentation screens.
 - Used the output from an existing PSAM parser application developed by FAST.
- Generated HTML contained:
 - CSS for positioning and colouring text and fields on the screen.
 - JavaScript for validating textual input from users.
 - INTERSTAGE interpretation statements to interact with the mainframe.

SymfoWARE for Ingres

1998

SymfoWARE is Fujitsu Japan's data mining and manipulation tool. It provides a Windows desktop interface to relational databases such as SQL Server and Oracle. Fujitsu asked FAST to develop an interface from SymfoWARE to CA-Ingres relational databases. I was directed to use an existing SymfoWARE library for accessing Oracle databases as a starting point.

Role:

- Wrote a library in C that logged into Ingres from SymfoWARE, passed SQL queries to the database, and sent results to SymfoWARE.

- Wrote and edited test plans for the library. Performed tests based on these plans.
- Resolved bugs and other issues discovered in the software.

Tutor
1994

Department of Mathematics
University of Queensland

- Managed undergraduate tutorials; assisted and assessed students with their mathematics assignments.

Community and Volunteering

- Assisted with elections - issued ballot papers, assisted voters, counted ballot papers and tallied results.
 - Ordinary Issuing Officer for Electoral Commission of Queensland - 21st of March 2009.
 - Assistant Electoral Officer for the University of Queensland Union elections - September 1992 and September 1993.
- FAST: Workplace Health and Safety Representative for the Brisbane office from 1996 until 2002.
 - Trained to be responsible for identifying potential hazards in the workplace and alerting management of these dangers

References

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