

Curriculum Vitae

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Personal info

Place and date of birth	Denpasar (Bali), Indonesia – 2 July 1978.
Education	Graduated from Bandung Institute of Technology Indonesia (in 2003), with <i>bachelor of engineering</i> title in electrical engineering.
Current location	Mexico City, Mexico.
Languages spoken	Indonesian, English, and Spanish.
Self personality assessment	Analytical, articulate, focused, open and direct, relatively creative (always looks for ways to stand out), and quite social.

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Technical capacity

- Excellency and speed in finding errors & the root-cause in a software system by analyzing software development artifacts like specifications, design, code test plans, logs, signal traces, etc.
- Knowledge of principles and techniques of designing and constructing of applications based on *Object-Oriented Analysis and Design* (OOAD) principles:
 - Practical knowledge of design patterns and their uses.
 - Communicating process and structure of information systems using various notations, notably UML.
- Programming in the following languages
 - Java
 - Ruby
 - C#
 - C/C++
 - Python
 - VoiceXML
 - CCXML
 - XSLT/XPath

- Software testing principles, process, techniques, and tools:
 - Test planning.
 - Design, implementation, and execution of test-cases.
 - Blackbox test, whitebox test, code review, static analysis, boundary value analysis, threat-modeling, etc.
 - Usage of test-case and bug-management tools.

- Technical knowledge of / experience in the following technology / field:
 - IP Multimedia Subsystems
 - Mobile application development using J2ME.
 - Telephony-application development:
 - *Session Initiation Protocol (SIP)*: a signaling protocol for telecommunication.
 - *SIP Servlet*: a programming platform and libraries, in Java, for writing application that talks in SIP- It's mainly used for developing telecommunication services with intelligent call-control mechanisms, that integrates with the internet and other information resources in the IP network.
 - Webservice development (effectively) using NetBeans 6.

- Knowledge in installing, configuring, extending, and interfacing with the following telecommunication-related products:
 - Asterisk (open source PBX).
 - BEA WebLogic SIP Server.
 - SailFin SIP Servlet Container.
 - OpenSER (SIP Express Router).
 - Voxeo Prophecy (CCXML and VXML browser).

- Knowledge and experience in utilizing the following tools:
 - Wireshark.
 - SIPp (for generating signal / traffic during automated scenario / stress testing of SIP-based telephony applications).

- Practical knowledge of working on the following operating systems:
 - Microsoft Windows Server 2003.
 - Linux (Debian and Fedora).

- Practical knowledge of working with the following database servers:
 - MySQL
 - PostgreSQL
 - Oracle
 - Microsoft SQL Server

- Practical knowledge of working with the following application servers:
 - BEA WebLogic SIP Server (3.x)
 - Glassfish
 - Tomcat
 - Resin

- Practical knowledge of working with the following media servers:

- Intervice VXML browser.
- Voxpilot (<http://www.voxpilot.com>)
- Voxeo Prophecy (<http://www.voxeo.com>)
- Familiarity with IDE:
 - Eclipse (including remote debugging)
 - Netbeans 6 (including the mobile java application development module)
 - Microsoft Visual Studio (C#)

Certifications

- Object Oriented Concepts
- Java 2 Fundamentals
- Object-Oriented Design Patterns
- Java-2 Non-GUI
- Java-2 Enterprise Edition
- Programming Concepts
- Programmer / Analyst Aptitude

The details is available at the following web-page: <http://www.brainbench.com/transcript.jsp?pid=114634>

Professional experiences (overview)

January 2008 - Present	Simitel (Mexico City) Software Development Engineering Lead
Mid-February 2007 – December 2007	Microsoft China (Shanghai) Software Development Engineer
August 2005 – Mid-January 2007	Simitel (Mexico City) Senior Software Development Engineer
July 2004 – January 2005	IKonsultan Indonesia (Indonesia) Senior Software Development Engineer
June 2003 – June 2004	Balicamp Sigma Indonesia (Indonesia) Senior Software Development Engineer
September 2001 – September 2002	AdiUpaya Indonesia (Indonesia - doing software development projects remotely for Simitel Mexico) Software Development Engineer and Project Administrator
August 2000 – February 2001	Freelancer (Indonesia – doing Java programming remotely for eCompare, San Jose) Java Programmer
June 1999 – June 2000	PoInter Indonesia (Indonesia) Trainer of Programming using Java.

Publications

- A book teaching the basics of programming using Java (JDK 1.1).
 - Date of publication: August 2000.



- A booklet about writing telephony application using Asterisk and Asterisk-Java API, and using various tools (e.g.: SIPp).
 - Date of publication: June 2006.
 - URL: <http://www.box.net/shared/j3dpaeqokc> (booklet), and <http://www.box.net/shared/6jpogn38k0> (source code)
- YouTube channel containing videos related to telephony-application development.
 - URL: <http://youtube.com/user/simitelchannel>

Professional experiences (with job descriptions)

Date: February 2008 – Present

Company: Simitel

Role: Various

When I joined back Simitel in February 2008, I got involved directly in an IMS application project with Ericsson in Telmex. Simitel develops the SIP Servlet and VXML part. When I joined in the project has been in the course for about 5 months and was already in the late phase. Over the time I take increasing amount of responsibilities:

- Debugging and fixing the issues in the SIP Servlet and VXML codes.
- Overseeing activities done by other team members (deployment, test execution).
- Handling problems encountered in the deployment and test execution.
- Making reports to Ericsson about the progress.
- Making sales activities. Writing proposals, technical and commercial for projects in Ericsson/Telmex and others such as: making prototypes for demo (e.g: call voice-recording), organizing demo, talking to possible partners company who can provided new solutions (e.g.: screen-recording, fax-processing).
- Making sure purchase-orders are generated for additional works done.

Date: Mid-February 2007 – December 2007

Company: Microsoft (Server and Tools Business) - Shanghai, China

Role: Software Development Engineer

Joined Microsoft through interview loop that took place on November 2006 in Mexico City, and decided to take the option to start working immediately from Microsoft's new R&D arm located in Shanghai.

I was working in a group that is working on the new server suite targeted at medium-sized business (codename Centro, not yet released). The group is under Windows Server Solutions Group that has released Small Business Server (targeted at small business) and Windows Home Server (targeted at home user).

Responsibilities: defining test plans for some features, and writing automation for the scenarios based on the plans, file the bugs found and keep track of them throughout their life cycles. I learn to appreciate the challenges in software configuration management, and the role of systematic software testing. Although I still prefer taking software designer & architect role for the next 3-4 years, I'm considering software QA for my future career. It seems to be a lot of space there.

Some of the trainings I have taken:

- .NET Threading (Jeffrey Richter)
- Effective Technical Writing
- Testing at Microsoft for SDETs (Software Development Engineer in Test Role)

Date: August 2005 – Mid-January 2007

Company: Simitel

Role: Senior Software Engineer

Simitel is a company that produces various call center solutions. I participated in the following software development activities in the company:

- Development of call recording and monitoring module to be integrated with company flagship product (virtual contact center) and to be sold as standalone product (integrated with third party software such as CRM solution), as designer and developer.
- IVR project (using Java and VoiceXML) for a mobile operator in Spain (client), as developer.
- Design and development of the next product line of the company, a peer-to-peer call center solution using Skype as the communication network (<http://peerant.com>).

Date: July 2004 - January 2005

Company: iKonsultan

Role: Senior Software Development Engineer

Customized teller solution from S1 (www.s1.com) for implementation at a national bank in Indonesia (PermataBank).

Responsibilities:

- Maintaining & troubleshooting existing implementation
- Implementing several functionalities, such as: international fund transfer, cheque clearing, cash withdrawal & deposit, bank draft selling & buying, bank notes selling & buying.

Environment: JDK 1.3, JPos, IBM, WebSphere, Eclipse.

Note: iKonsultan provided management consultancy to the bank. Partner company responsible for implementation was IBM Business Consulting Service Indonesia.

Date: 30 June 2003 - 9 July 2004

Company: BaliCamp (Sigma Sarana Putra Mandiri)

Role: Senior Software Development Engineer

Developed operational (internal) application for a local insurance company, namely Asuransi Jiwa Bersama Bumiputera.

The scope of the application includes: generation of insurance product illustration (for sales activities), maintenance of policies, maintenance of products definition, maintenance of claims.

Responsibilities:

- Setting up team development infrastructure: (a) setting up project tree structure, (b) creation & maintenance of Ant build file.
- Introducing Hibernate to other team members (to replace entity bean).
- Introducing code generation using XDoclet to other team members.
- Release management.
- Designing and implementing mechanism to limit & control access to functionalities in the application.
- Programming several business functionalities: maintenance of policies, maintenance of product parameters, etc.

Environment: Oracle iAS, Eclipse, JDK 1.3, Hibernate, XDoclet, Ant, Struts.

Date: September 2001 - September 2002

Client: AdiUpaya, Indonesia (client: Simitel Mexico)

Role: Software Development Engineer and Project Administrator

Developed telephone service that enables people to access their e-mails using regular telephone device. The system has 2 main parts: front-end and back-end.

The front-end -- which was implemented using VoiceXML -- defines the conversations between the user (caller) and the system. It was quite a complex VXML, with JavaScript, that allows intuitive navigation over the list of emails (e.g.: user can go back and forth in the list, and say 'read' when the subject of the email she's interested in is being played out).

The back-end is a web application implemented using Struts framework. Some of the major responsibilities of the back-end are: (a) communicating with POP3 providers, (b) generating appropriate dialogs in form of VoiceXML documents, and (c) managing user accounts.

Responsibilities:

- Being a bridge between client & programmers in the team: (a) discussing & negotiating development targets with client, and (b) discussing design & implementation alternatives with programmers in the team.
- Designing dialogs between user and system (VoiceXML programming).
- Designing general architecture of the system.
- Assisting deployment at the client site (remotely).

Environment: JDK 1.3, Nuance VoiceXML browser, Borland JBuilder, Microsoft Web Application Stress Tester, Resin, Struts framework, MySQL, Microsoft Remote Desktop Client.

Note: this was my first attempt at being entrepreneur. I recruited and managed 2 programmers to work on this subcontract project from Simitel. We were the first programmers that did software development for Simitel (remotely). This application was put in production for AxTel Mexico.

Date: August 2000 - February 2001

Client: eCompare.com

Role: Java Programmer

Developed voice user interface for comparison-shopping service. Comparison-shopping is a service that grabs price information from a number of online merchants, compare the prices, and present the result to user.

Programming the voice interface for book section -- price comparison for books -- using Nuance SpeechObject, a proprietary java library for speech application programming from a vendor named Nuance (www.nuance.com)

Environment: Microsoft Windows 2000, JDK 1.3, Borland JBuilder, Nuance Voice Server, Nuance Foundation SpeechObject.

Note: Development team was globally distributed.

Date: June 1999 - June 2000

Company: Pointer Indonesia

Role: Trainer of Programming using Java.

Responsibility: Pointer is a computer training institution. My job was to give training on Java programming regularly (2-3 times a week).

During this employment, I participated in a series of training for staffs of state ministry of communication and information (5 days delivering topics: "Introduction to Java" & "JavaScript").