

VU NGUYEN

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Objective

Seeking a developer, designer or project lead/project manager position in a research or software development organization. Visa status: J1.

Education

- **Master of Science in computer science**, University of Southern California, USA (August 2004 – May 2006 (expected). GPA: **3.83**).
- **Bachelor of Science in computer science**, College of Natural Sciences, National University of Ho Chi Minh city, Vietnam (September 1999)

Skills

- Languages & Scripting: Java, Visual C++, C#, ASP, JSP, Servlet, JavaScript, VB, HTML/DHTML
- Framework: J2EE, .NET
- Middleware: EJB (basic)
- Operating Systems: Windows NT, Windows 2000/98/95, Windows XP, Linux (basic)
- Databases: MS Access 2000, MS SQL Server 2000, MySQL, Oracle
- Web Servers: IIS, Apache, Tomcat web server
- Analysis & Design Tools: Rational Rose
- Configuration Management Tools: Visual SourceSafe, PVCS Tracker
- Other technical skills: Ajax Method, Web Services, XML
- Other skills: project management skills, software cost estimation skills, process improvement skills

Professional Experience

Center for Software Engineering, University of Southern California **May 2005 – Present**
Graduate Associate

- Lead a project of five graduate students to develop COINCOMO estimation tool
- Design and implement COINCOMO estimation tool using Visual Basic
- Assist Mr. Winsor Brown, Assistant Director, Center for Software Engineering, to coordinate and manage Code Count groups
- Develop and test the code count tool using C to count source lines of code of the C# program

Paragon Solutions Vietnam, Ho Chi Minh City, Vietnam **October 1999 – July 2004**

Project Manager July 2002 – December 2002, June 2003 – July 2004

- Managed three projects (SoftSim 3.0, SoftSim 4.0 and SoftSim 5.0) to develop courseware development application. Projects consist of from 5 to 9 people. The projects were developed using Visual C++, Java, JavaScript and HTML/DHTML.
- Was responsible for project planning which includes estimating project effort and cost; personnel planning; scheduling; setting quality goals; identifying, assessing and managing risks; planning project environments; planning communication and training; tailoring processes for the projects.
- Monitored and tracked development activities; reported project status to senior management.
- Communicated with senior management and customers to resolve project issues; coordinated with other supporting groups in the company.
- Oversaw development teams; resolved personnel issues and conflicts on the projects.
- Helped establish and review design, system architecture; implemented core functions of the projects.
- Developed software development plans including cost and schedule estimates, risks management plan, staffing plan, project schedule, communication plan, measurement plan, change and configuration management plan, and quality assurance plan.
- Led development teams to the successful completion of three projects, SoftSim 3.0, SoftSim 4.0 and SoftSim 5.0. Especially, SoftSim 3.0 won the Gold Medal Award of Excellence in e-Learning Award presented by brandon-hall.com and Online Learning Magazine in September 2002.
- Built up and maintained high morale in the project teams.

Technical Architect

January 2003 – May 2003

- Was responsible for forming the architecture of SoftBrands C&B project, a hotel management system. The system was developed on .NET platform using C#.

- Performed architectural trade-off analysis; provided rationale behind architecture trade-offs.
- Negotiated architecture compromises with developers, project manager and customers.
- Designed and developed and tested some key modules using C#.
- Developed software architecture document for the hotel management system.
- Established the stable and reliable architecture for the system.
- Completed high-level UML models using Rational Rose 2000.

Project Lead

December 2000 – June 2002

- Led a project team to develop courseware development application, ERPSim 2.1. The application was written in Visual C++ and Java.
- Scheduled and assigned tasks to members.
- Tracked and monitored the progress of tasks; reported project's status to the project manager.
- Performed design and architecture; reviewed design elements; updated the software architecture document and design models.
- Communicated with customers regarding technical issues.
- Resolved personnel issues and conflicts on the project.
- Worked at client-site in Atlanta, U.S.A. to devise project vision with customers and analyze requirements for ERPSim 2.1 project.
- Developed detailed project plan and assisted the project manager in planning.
- Completed implementing and testing core functions using Java
- Documented the vision document when working at client-site.

Developer

October 1999 – November 2000

- Developed components in two projects, ERPSim 2.1 and FarEast Foods. ERPSim 2.1 is a courseware development application, written in Visual C++ and Java. FarEast Foods is a simulated eCommerce application, written in both ASP and JSP.
- Designed, implemented and tested modules assigned by the project manager.
- Completed and delivered assigned modules in ERPSim 2.1 and FarEast Foods projects.

Other Responsibilities and Contributions

- Joined the company's effort in defining, deploying and improving the software development processes, which are compliant with CMM Level 3 and then CMMI Level 4, 5
- Participated in CMM assessment interviews as a project manager for one of three assessed projects
- Led estimation group to study estimation methods and document estimation guidelines. Developed estimation tools used in the company.
- Performed estimates for projects in the company upon request from customers as well as from other teams.
- Defined implementation process and updated other processes, guidelines and templates upon request from the Software Engineering Process Group (SEPG)

College of Natural Sciences, Ho Chi Minh city, Vietnam

January 1998 – September 1999

Teaching assistant

- Conducted tutorial sessions, helped students learn Java and C programming languages.

Fellowships, Honors, Awards

- Fulbright Scholarship, Department of State, U.S.A. (2004 – present)
- Award for Students' Scientific Research, College of Natural Sciences, National University of Ho Chi Minh city, Vietnam (1999)
- Government Scholarship, full 4 undergraduate years, Vietnamese government (1995 – 1999)
- Sanwa Scholarship, Sanwa Bank Foundation, Japan (1998)
- Paragon Solutions Vietnam Scholarship, Paragon Solutions Vietnam, Inc. (1999)

Professional Affiliations

- Student member – Association for Computing Machinery (ACM)
- Student member – Institute of Electrical and Electronics Engineers (IEEE)

Professional Training and Certifications

- Sun Certified Programmer for Java 2 Platform of Sun Microsystems