

Fabiana Prabhakar

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Career Summary

- Self directed individual with extensive experience in the entire software development life cycle, from designing to testing.
- Team player, articulate communicator, exhibiting strong analytical, presentation and leadership skills.
- Effective performer in multi-task environment; experienced decision-maker.
- Vast knowledge of programming languages including Java, C and C++.

Objective

To obtain a Senior Software Engineer position using strong leadership and technical skills.

Software Development Experience

Research Assistant, The Semantic Web and Agent Technologies Lab, Lehigh University, Bethlehem, PA September 2006-present

- Developing Knowledge Base for DARPA DTN and Hawk projects. The majority of the development is done in Java under Linux platform.
- Redesigned Hawk's translation from SPARQL to SQL, resulting in a 10 times performance improvement for small datasets to 1000 times for larger datasets.
- Developed Hawk's web interface using JSP, Java Servlets and Tomcat web server.

Senior Software Engineer, Amdocs, Sao Paulo, Brazil January 2001–November 2004

AMDOCS is a leading Customer Care and Billing (CC&B) solution provider specializing in software for wireless telecom companies.

Developed new features for Ensemble, which is the generic Amdocs Product that supports Convergent Voice-IP Operations at Leading International telecommunication and Internet Carriers, in the following projects:

VERIZON INTERNATIONAL

- Development using C, C++, Java, PRO*C, PL/SQL and UNIX shell scripts within the Customer Service Module (CSM) team.
- Involved in the whole design process ranging from discussing the scope of the version with the client, calculating the ball park estimations, preparing the impact assessment and detailed design, developing the code, system tests and finally the implementation of the product.

WIRELESS NUMBER PORTABILITY

- Supported the T-Mobile (USA) UAT (Ensemble and Enabler) of WNP version and post implementation of the release. The process required an understanding of the complete application, starting from the tuxedo to the Weblogic EJB to the tuxedo on the Enabler side as the task involved testing the system and providing support to the testing team by debugging and fixing problems as soon as they were found.
- Developed and designed the Wireless Number Portability support for Verizon International. The code was written in C++ and involved multi threaded processing. This project was of special significance because any delay would have caused the client to incur a huge fine from the FCC (Federal Communications Commission). There was a very short time period between development and implementation.

MANNESMAN

- Worked in the CSM Mannesman team in Hod HaSharon, Israel, designing and developing Data Base interfaces, in PRO*C.

OTHER PROJECTS:

ENABLER

- Customized the Accounts Receivable Module of Enabler for BCP, including designing, documenting, testing and implementing plug-ins for the Tuxedo portion of the code. Enabler supports billing for the next generation voice, data and content services.

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BCP DATA CONVERSION

- Worked with C, Unix, shell script and PL/SQL during the implementation of the Data Conversion process for a Brazilian client (BCP), migrating from the Ensemble to the Enabler system.
- The project required the understanding of the complete DB relationships and the business concepts involved in the Enabler product.

AMERICEL DATA CONVERSION

- Designed and developed Data Conversion processes for new Amdocs clients: Americel - migrating from legacy CABS2000 system and TESS - migrating from the legacy BSCS, to Ensemble.
- Used C, Unix, shell script and PL/SQL.
- The work involved intensive process tuning at the client side under challenging deadlines.

System Analyst, Tecnologia Bancaria S.A, Sao Paulo, Brazil

May 2000 – December 2000

- Worked as a member of the Banco24Horas team. The main activity was development and support of ATM applications.
- Designed and developed the bill payment functionality using billing bar codes at the ATMs (Automated Teller Machines). It was a plug-in to the main ATM application written in C on an OS2 platform that used the bar code scanner manufacturer's libraries to read the bill.

System Analyst, Setis Automacao e Sistemas, Sao Paulo, Brazil

September 1999 – May 2000

SETIS offer is focused on Electronic Transaction Systems, from the specification to development and integration with third-party applications. SETIS was a pioneer in the development of Electronic Transaction Systems using Smart Cards in Brazil.

- Developed systems to access SQL Server database using Visual Basic 5.0 and C DLLs.
- As a trainee, developed an Automated System on POS using Smart Cards. This project was required for college graduation.

Education

Lehigh University, Bethlehem, PA

M. S. in Computer Science, May 2008

4.0 GPA

Master's Thesis: Using prefetch instructions to improve hash join algorithms for Database Systems.

UNESP – São Paulo State University, Brazil

Bachelor in Computer Science, December 1999

Scientific Initiation project: POS (Point of Sale) systems using Smart Cards technology.

Technical Proficiencies

Languages: Java, C, C++, PRO*C, Unix Shell Script, PL/SQL, Perl

Platforms: Unix, Linux, Windows, Mac OS

Databases: Oracle, PostgreSQL, MySQL

Languages

Portuguese (native), fluent in English, fluent in Spanish.