Brad Barnhill, MSN, RN, CNL

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Summary

A results-driven, goal oriented, client centered software engineer who can be a valuable asset to your business, by thinking abstractly and cost consciously.

Skills

Programming Languages	Software Skills	Platforms
C#, Java(Android), ASP.NET, HTML, SQL, CSS, PHP, C++, XML	IntelliJ, Android Studio Visual Studio SQL Server Management Studio Nullsoft Scriptable Install System	Windows Linux

Individual Accomplishments

- Launched mobile application on the play store in January 2016 as a supplemental addition to my already successful automotive application.

- Successfully launched a dynomometer application for the automotive industry that was featured in Modified magazine (October 2012).

- Created a communication library to promote code reuse and structure communication with embedded devices via USB.

- Barcode Library published on Code Project with support for 20 different symbologies, with a 4.91 star rating after 4.1 million visits.

- Served as Student Government Association Executive Council President at UT Health Science Center from 2010-2011.

Education

2009 – 2011   University of Tennessee Health Science Center   Memphis, TN
Masters of Science in Nursing
Focused on generalized nursing and preparing for NCLEX, but with an emphasis on evidence based practice and quality improvement.
- Served as Student Government Executive Council President (2010-2011).
- Served on UT Presidential Advisory Search Committee
- Served on the UT Alumni Association Board of Governors (2010-2011).
- Served on the Deans Council for Online Testing Policy.
- Member of Student Technology Initiative Council.
- Represented UT on Capitol Hill.
- Member of Coordinated Community Response Team (CCRT).
- Worked for UT creating online simulations for the nursing department.
- Imhotep Society (April 2010).
- Passed the CNC Clinical Nurse Leadership certification.
- Passed NCLEX-RN June 22, 2011

2003 – 2004   University of Memphis   Memphis, TN
Masters of Science in Computer Science (Incomplete 24/34 hours)
Focus on distributed computing and artificial intelligence studies during the course work.
- Worked on a project to extract facial features from a database of photographs of known emotional expressions to define emotional states based on feature placement and relation.

1999 – 2003   University of Tennessee at Martin   Martin, TN
Bachelors of Science in Computer Science
Primary programming languages taught were C++, Assembly, and C#.
- Participated in the ACM programming contest annually.
- Served as ACM chapter president.
- UT Faculty Scholar (May 2003).

Experience

2/2017 – present   CBS Sports   Kansas City, MO
Android Software Engineer

Native Android development on an agile development team, following scrum principles to deliver a mobile application with over 1.6 million active users and 8.5+ million downloads. Utilized Bitbucket, JIRA, Bamboo and other Atlassian tools to facilitate an organized and productive team environment. Used RESTful APIs developed by other teams to gather data necessary for a rapid and seemless user experience. Worked remote but in conjuction with other development teams from Sydney Australia to Fort Lauderdale FL.

2/2012 – 2/2017   Cerner Corporation   Kansas City, MO
Sr. Software Engineer

Team: Nursing Mobile Development (September 2013 - February 2017)

Native Android development in Java with an agile team for a rapid deployment of a new product to interface with a RESTful API. Managed team resources, and developed the framework for the team's processes at the same time as writing solid code to meet deadlines. Other skills used at this position are peer code reviews, Git repository management, general code maintenance, architecture and design. Build environment configuration (Jenkins) and policy management. Java service debugging and development.

Team: Home Health and Hospice, Clinical Team (February 2012 – September 2013)

A member of an Agile development team on a large scale healthcare information solution. Duties included coding, unit testing, test plan writing, and consulting. Coding was done in (C# 4.0, VC6, VB6). Responsible for code check-ins using SVN for the code repository.
- Became a subject matter expert on the digital media archive, and therapy functional assessment portions of the solution.
- Worked closely with the build team to re-version all executables during the build process to coincide with the SVN revision number.
- Saved time by fixing bugs that caused reports to run much longer than they should have taken which saved money in resources and prevented frustration.

11/2011 – 2/2012   Argo Data Resource Corporation   Memphis, TN
Certified Programmer I

Design, write and maintain software as part of a team in a banking environment that catered to some of the largest banking institutions in the USA. Duties included writing specification documentation, test cases, project design, and writing code in several languages (VB, C#, JavaScript, XSLT, ADS, and HTML) in a multi-tiered environment.
- Worked on a team of individuals to create a logging tool for the company to help save time and money when analyzing and solving customer problems.

06/2011 – 11/2011   Methodist Healthcare   Memphis, TN
Registered Nurse - Medical ICU

Scheduled, coordinated and delivered care for complex patients in a 16 bed ICU.
- Worked with an interdisciplinary team to coordinate and organize care plans for the needs of the unit's patient population.
- Delivered patient care to patients with varying degrees of complex disease processes.

10/2007 – 12/2008   **Hypertech   Bartlett, TN**
Engineering Developer
- Design, write and maintain .NET client software that facilitated updating devices over the internet from a large production database, creating tools to support business processes, and custom software for loading software onto embedded devices.

- Created a common communication library to facilitate code reuse and save time and effort in future projects that require communication with any of the company's devices, saving time and money on maintenance.
- Created a website for the support group to offer tools for data and customer lookup. Specific device error codes could be seen and diagnosed from the web over relying on customer information.
- Created a common web service to offer a common location to communicate with the production database. This allowed for maintenance to be performed on SQL queries and data retrieval procedures without an update to the clients software

8/2006 – 10/2007   **AIMS Logistics   Collierville, TN**
.NET Programmer (R&D)
.NET programming on a large scale production database (MSSQL). Used SQL along with C# to develop applications/services/controls that provided freight bill auditing, business logic engines, and custom smaller applications to AIMS Logistics Fortune 500 clients.
- Stabilized the rating application that ran continuously and prevented errors being thrown to crash the application. This provided for more uptime and 30% more bills to be processed per day than before, generating more revenue.
- Created a hosted WF development environment for the production IT team to write business logic using reusable flowcharts and then used the workflows generated to process clients' data.

8/2004 – 8/2006   **Cardinal Software, Inc.   Parsons, TN**
Programmer
.NET and Java programming for the banking industry on PCs and AS400s. Developed applications in Visual C#, ASP.NET, HTML, Java in a fast paced banking environment.
- Created a GUI interface for the AS400 software to allow quicker use of the banking software that was the core project.
- Created interfaces to third party imaging software to allow for a larger feature set of the company's software, and provide support for existing systems.

3/2004 – 8/2004   **AIMS Logistics   Collierville, TN**
Jr. Software Engineer
FoxPro / .NET programming in a large scale production database environment. Managed software and developed new tools and production applications for Fortune 500 sized clients.
- Created loading applications that decreased the time to load contract charges into the system to allow bills to be rated sooner for a client which generated more revenue for the company.

- Assisted in development and testing of the rating engine that was in development, and later increased the speed of bill being rated from 2 bills per second to 10 bills per second. This motivated the company to rework most of the rating routines for all clients and move them from FoxPro to .NET and SQL.

3/2003 – 5/2003   **Taylor Automotive Group   Martin, TN**

Programming Consultant

Website Design using Perl and scripting to automate the site and make it easy for an employee of their company to maintain their website without having to learn HTML.

5/1998 – 6/2000   **Savannah Computer   Savannah, TN**

Service Manager

Computer Maintenance, troubleshooting hardware problems, customer interaction. Website development, automation of website via the Perl scripting language. Custom software development for the store inventory and cataloging purposes. Supervising the other employees working ability and progress. Parts inventory, and supply management.

References available upon request.