

## **Brad Barnhill, MSN, RN**

5201 Allamanda Dr., Austin, TX 78739

bradfordbarnhill@gmail.com

<https://github.com/barnhill>

### **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
Kotlin/Java(Android), C#, SQL	Android Studio, IntelliJ Visual Studio SQL Server Management Studio	Windows Linux Mac

### ***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 dynamometer 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 and Nuget with support for 22 different symbologies, with a 4.91 star rating after 4.1 million visits, and 4.4 million downloads.
- 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 - C++, Assembly, and C#.

- Participated in the ACM programming contest annually.
- Served as ACM chapter president.
- UT Faculty Scholar (May 2003).

## Experience

**10/2022 – present**

**H-E-B Austin, TX**

*Staff Android Engineer*

Native Android development using Kotlin and Jetpack Compose on an application supporting the pharmacy for 1.5 million users. Helped mentor teammates and uplevel them through paired programming. Modernized the architecture for the pharmacy module while rolling out countless new features and functionality. Collaborated among multiple teams to cross-collaborate and drive solutions for the entire mobile organization.

**7/2019 – 10/2022**

**Procore Austin, TX**

*Staff Android Engineer*

Native Android development on an application supporting the construction industry. Helped move team architecture to MVVM, while modularizing the application for faster builds. Saved 4.3 petabytes a year in traffic out of AWS through network conscious monitoring and optimization. Mentored other engineers and helped grow them toward their goals. Built an automated CI pipeline to remove any human interaction during the build, testing, or release process. Improved builds through Gradle optimizations and caching to reduce build times by 400%.

**2/2017 – 7/2019**

**CBS Sports Kansas City, MO**

*Sr. 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 10+ 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 seamless user experience. Worked remote but in conjunction with other development teams from Sydney Australia to Fort Lauderdale FL.

**2/2012 – 2/2017**

**Cerner Corporation Kansas City, MO**

*Sr. Android 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 client's 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.

**More prior experience available on request**