158 Erford Rd, Apt 201,
Camp Hill, PA 17011

+1 781 290 8424
kartheekmedhavi@gmail.com

Kartheek Penagamuri

EMPLOYMENT

Senior Solution Specialist	**Deloitte Consulting LLP**	**May 2015 to Till Date**

- Developed Code Analyzers powered by the .NET Compiler Platform("Roslyn") to provide real time assistance to developers with coding standards in Visual Studio itself during development. This tool enhanced code quality of various public-sector web-applications by 5%.
- Reduced time and space complexity of business logic code in public-sector web applications from quadratic time to linear or quasilinear time by using applicable data structures and algorithms.
- Reviewed source code of public- sector web applications and recommended ways to improve code quality.
- Developed business logic for a reporting tool using Graph processing algorithms to identify missing links between work items in the TFS. These reports aid the project teams in process adherence and acts a compliance check.Saved 6 hrs. time per release.
- Conducted training sessions on Oracle PL\SQL best practices to ~300 developers to improve code quality.

Systems Analyst	**Hexaware Technologies Inc**	**Jul 2013 to Apr 2015**

- Maintained business critical applications by developing code to correct application defects and change requests.
- Developed reusable components by following various design patterns for web applications in C#.NET.
- Designed user interfaces using ASP.NET, ASP.NET MVC (Razor), HTML, CSS, jQuery, High-charts for interactive reports.
- Gathered business requirements and formulated Low Level Design document for new work orders to ensure customer that all the business requirements were translated into technical solution.

Computer Programmer	**GAR Technologies Inc**	**May 2011 to Jun 2013**

- Maintained business critical applications by developing code to correct application defects and change requests.
- Developed reusable components by following various design patterns for web applications in C#.NET, VB.NET.
- Designed user interfaces using ASP.NET, ASP.NET MVC (Razor), HTML, CSS, jQuery, Telerik/ Kendo for web applications.
- Developed database objects such as stored procedures, functions and queries in PL\SQL following best practices.
- Worked with teams across North America, UK and India to design effective reporting solution. Prepared Production migration plan for business-critical applications and represented Development team throughout the migration process to ensure steps are followed as per plan.

Software Engineer	**HCL Technologies**	**Feb 2010 to Feb 2011**

- Managed high priority issues for Microsoft Office Content Management System (OCMS) software used to publish data into Office.microsoft.com site. Promoted from entry level role to lead role within six months after joining the project.
- Developed Queries using PL/SQL to analyze bug trends in each area for OCMS. These reports are published to all the stake holders on daily and weekly basis.

.NET Developer	**Indian Institute of Chemical Technology**	**Sep 2008 to Feb 2010**

- Gathered software requirements by interacting with stakeholders.
- Developed web-based applications and complex reports using Microsoft Technologies to automate various work flows in Cash and Transport divisions within the organization. These tools saved ~1 hr. of manual processing time per application.

EDUCATION

India	**Sri Krishnadevaraya University**	**Apr 2003 to Apr 2007**

- Bachelor of Engineering in Computer Science and Information Technology.
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Computer Architecture

ADDITIONAL EXPERIENE, CERTIFICATIONS AND AWARDS

- Attained "You Rock" and "Applause" awards in recognition of my exemplary performance in development of code analyzers.
- Won 2018 Deloitte USDC Shark Tank Initiative out of 30 teams (Nationwide competition) for code analyzers work.
- Microsoft Certified Professional - Programming in C# (70-483).
- ITIL® Foundation Certification in IT Service Management

LANGUAGES AND TECHNOLOGIES

- C#.NET, VB.NET, ASP.NET, Microsoft .NET Framework, MS Unit (unit test framework), Core Java, SQL, Java Script, jQuery, CSS
- Visual Studio, Eclipse, SQL Server Management Studio, Toad for Oracle
- Team Foundation Server (TFS), GIT