Deepak Begrajka

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EDUCATION

Master's in Computer Science   (GPA 3.34/4.00)   Aug/2015-May/2017
  University of South Carolina, Columbia, SC

Bachelors in Computer Science   (GPA 3.60/4.00)   Aug/2011-May/2015
  Medi-caps Institute of Science & Technology, Indore, India

EXPERIENCE

Application Developer – Segra (former Spirit Communications), Columbia, SC   June/2017-Present

- **ESRI Dynamics Connector**

  Developing web application for creating opportunities & fiber requests on locations using ESRI Mapping Service linked to Microsoft Dynamics365 services.

  Increased scalability of application for bulk uploading 500+ locations on the map from a csv using ESRI geocoding services.

  Using JavaScript, HTML5, CSS3, AJAX, JQuery, C#, .NET, ArcGIS JavaScript, Dynamics C# API, Unit testing, Git, & Jenkins (CI/CD).

  Participating in Sprint Meetings, Scrum standups(Agile), architectural design meetings throughout the Software development life cycle.

- **Business Proposal**

  Developing a web application, which creates PDF documents by taking users' input for proposing services & products to potential client.

  Using C#, .NET, HTML, CSS, Angular 7/8(Typescript), Bootstrap, iTextSharp (library), UX design.

- **Spirit Maps Automation & Live Layers Update**

  Geocoding the addresses fetched from database & uploading these data as feature layer on Map Portal to visualize info about fiber cables, circuits, marketing leads etc. using ArcMap.

  Applied python libraries (ArcGIS) to automate feature layer, database updating by using Python, SQL, geo-processing to determine latitude and longitude for addresses and managing & publishing layers to portal (Spirit Maps).

- **eSpirit Accounts & Services Sync to Dynamics365**

  Designed scripts in C#, JS, Dynamics API, AngularJS, which reads account info present in eSpirit using eSpirit API, SQL tables and views, compares it with existing account data in CRM & create, update & delete location, services on button click in CRM Dynamics.

- **IT Dashboard**

  Created dynamic dashboard for IT department using Kendo UI, HTML, CSS, & JavaScript by connecting Oracle View to SQL database for keeping track of support tickets.

Graduate Researcher & Summer Intern, USC, Columbia   Feb/2016-May/2017

- **Fokker Project**

  Designing and Implementing Embedded C coding to connect hardware chip to elevator sensor to capture Signals on Linux System.

  Designed a GUI using C GTK+ and building a client- server side request response architecture using socket programming in C.

- **Kuka Robot - Boeing**

  Designing and maintaining Python GUI using TKinter in python and maintaining database, using XML for Kuka Robot application.

  Analysis & capturing of Data generated by the Robot, parsing Data using python, Flex, & record video using Javacv, Opencv in Java.

PROJECTS

- **All around Apparel**   Feb/2017-May/2017
  Developed an E-commerce Website, using HTML5, CSS3, Bootstrap, Java, & Angular for an online clothing startup.
- **VipCare+- UI/UX (Human Computer Interaction)**   Aug/2016-Dec/2016
  Developed a responsive mobile application (android) prototype (UI), for elder adults to protect them for any kind of elder abuse.
- **IPL Auction & Fantasy League**   Jan/2014-May/2014
  Developed web application using HTML, CSS, Java, based on online auctioning of cricket players, uses client server programing.

PUBLISHED PAPERS (American Institute of Aeronautics and Astronautics):

- **A minimally invasive impact event detection system for aircraft movables**
  Captured impact signals on RTD device by writing C and C++ code, designed client server communication for signal transfer.

ONLINE CERTIFICATIONS

1. Front End Web Development (HTML, CSS, Bootstrap, JavaScript)   -The Hong Kong University of Science and Technology
2. Python Specialization (4 certifications)   -University of Michigan
3. Single Page Web Application with AngularJS   -John Hopkins University

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript, Typescript, Angular 7/8, JQuery, Bootstrap, AJAX, .Net, ArcGIS-API (JS, python)

Backend: Java, C#, C++, C, MVC .NET, Python, Object Oriented Programming, RESTful APIs, JSON, SQL, SQL Server Studio

Tools & OS: Windows, Linux (Ubuntu), Android, Sharepoint, Visual Studio, ESRI, Dynamics CRM 365, IIS, XAMP, Confluence

Dev Ops: Git, Jenkins (CI/CD), Svn, Version One, BitBucket, Source Tree, Teamcity, JIRA, Agile, SDLC, Unit testing, Code Reviews.