**Kallidumbil “Raj” Rajnarayanan**

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**SUMMARY**

* 13+ years of IT experience in Web and Client Server Development and Management.
* Strong at Object Oriented “Analysis and Design” and Programming skills along with ability to learn new emerging technologies and adapt quickly
* Expertise in JavaScript development using Node, jQuery, Angular, React and Backbone
* Website development using HTML5, CSS3, AJAX, JSON, LESS and SASS
* Experience in XML, XPATH, XQUERY, XSL, WSDL, SOAP, REST and XSLT
* Experience in web development using Drupal
* Extensive experience in Shell Scripting, Cron job scheduling in both Linux and Unix
* Experience in database development using DB2, Oracle, SQL Server, MySQL and MS Access
* Experience in NOSQL databases MongoDB, Dynamodb, Solr and ElasticSearch
* Experience in CDN configuration and management
* Experience in implementing enterprise search using Solr, ElasticSearch and RDBMS Full-Text
* Expertise in .NET forms, MVC, API and Core
* Experience in Core and JEE Platform development
* Experience in JSP, Servlets
* Expertise in JPA and Hibernate
* Experience in Spring MVC, Spring Boot, Maven and Apache Ant
* Expertise in ETL Development using Informatica and SSIS
* Experience in Data warehousing and Master Data Management
* Experience in using a variety of reporting tools such as Oracle Reports, Crystal Reports, Microsoft Reports, SSRS and Active Reports
* Excellent Interpersonal, Analytical and Communication skills
* Knowledge in various states of System Development Life Cycle (SDLC)
* Well versed in Agile Development Methodologies
* High proficiency in working with users to gather requirements, analyze them, and subsequently use design tools to model the requirements

### TECHNICAL SKILLS

**Languages:** JavaScript, Java, Python, VB.NET, C#, Scala, TypeScript

**Web Technologies:**  HTML5, CSS3, Nodejs, ASP.NET, .NET Core, Spring Framework, Flask, Django, Drupal, REST, SOAP, XSL, XML, XPATH, Web Services, jQuery, Angular, React, Backbone, AJAX, LESS, SASS

**Mobile:** Xamarin, ionic.

**Cloud**: AWS, AWS Lambda, Azure and Azure Functions

**Database Tools:** SQL Enterprise Manager, SQL Profiler, Query Analyzer, TOAD, SQL Developer, phpMyAdmin

**ORM Frameworks:** Hibernate, JPA, NHibernate, LINQ, Entity Framework

**RDBMS:** IBM DB2, MS SQL Server, Oracle**,** MySQL, SQLite, Access, Postgres

**BigData/NOSQL:** Apache Spark, Mongodb, Dynamodb,

**Search Technologies:** Solr, Elastic

**Operating Systems:** Windows, Mac OS X, Linux, Unix, IBM z/OS, Android and IOS

**Technology:** COM+, CORBA, MSMQ, Web Services, WebDAV, Win Forms, WCF, WPF, WF, Servlets, Enterprise Java Beans, Struts, Spring, JPA, Flex

**Database Scripting:** TSQL, PL/SQL

**Scripting Languages:** J avaScript, VB Script, Action Script, Shell Scripting

**Database Connectivity:** ADO.NET, OLEDB, ODBC, JET, ADO, JDBC

**Source Control:** Git, Visual SourceSafe, Visual Studio, Team Foundation, Subversion

**Reporting Tools:** SQL Server Reporting, Crystal Reports, Active Reports, SSRS

**Virtualization:** VMware, Virtual PC, VirtualBox

### SECURITY CLEARANCE

* Public Trust

### EDUCATION

* Currently pursuing **MS in Computer** Science from Hood College, Frederick, MD
* **MSc** Business Information Technology, Middlesex University, London UK
* **Diploma in Advanced Computing:** CDAC Pune, India
* **BSc** Mathematics, University of Calicut, Kerala, India

### PROFESSIONAL EXPERIENCE

**KTBSonline, Sparks,MD**

Senior Software Developer Jun 2019 - Present

KTBSonline is a fully customizable web portal that facilitates the enrollment and management of employee benefits for employers of all sizes. Since 1998, KTBSonline has been renowned for its proven efficiencies and exceptional employer/employee experience, as well as the critical data it provides and uncompromising security.

KTBSonline provides a benefits management system for HR professionals and a web portal for employees. Through KTBSonline, employers reduce benefit spend, increase the value of their health care plans, and become more efficient and productive — while increasing compliance, data security, and employee engagement. Simply put, it helps increase the efficiency of any Human Resources department. It is a fully customizable web portal that facilitates the enrollment and management of employee benefits and payroll for businesses of all sizes.

**Responsibilities:**

* Develop ASP.net WebForms based application
* Port WebForms to Razor
* Port WCF services to GRPC
* Azure PaaS
* Implement and consume WCF and GRPC based web services
* Implement DevExtreme and Vue based user interface components
* Implement MSMQ and NServiceBus based Message queue
* SQL Server 2017 Programming

**Environment:**

C#, TypeScript, Vuejs, NodeJs, Dotnet Core, ASP.NET MVC, SQL Server 2017, LINQ, Entity Framework,CSS3, HTML5, jQuery, Visual Studio 2019, DevExtreme UI, , Agile, Scrum, MongoDB, NServiceBus, MSMQ, GRPC, WCF

**Harmonia Inc, Tysons Corner VA**

Senior Software Developer

Sep 2017 - Jun 2019

**FSIS APM**

**APM** is the Product recall module that intends to replace the current paper based process with a web based portal that will be integrated with FSIS.

**Responsibilities:**

* Develop ASP.net Core based application
* Develop Xamarin based mobile application for Android and IOS
* Implement and consume REST based services using ASP.NET Core 2.0
* Participate in architecture design process
* Identify and solve complex problems using design patterns such as factory, singleton, Strategy, observer and builder patterns
* Implement Telerik Kendo UI based user interface components
* Implement Anguklar7.0 based UI
* Implement IText7 based PDF generation and signing functionality
* SQL Server 2017 Programming

**Environment:**

C#, TypeScript, Angular, NodeJs, Dotnet Core, ASP.NET MVC, SQL Server 2017, LINQ, Entity Framework,CSS3, HTML5, jQuery,4.5, Visual Studio 2017, Telerik Kendo UI, IText 7, Agile, Scrum, Xamarin forms for Android, TDD, BOD

**FSIS Application Portal**

FSIS implemented the Public Health Information System (PHIS) as part of our effort to collect,

consolidate, and analyze data. PHIS is a user-friendly, web-based application that replaces many

of FSIS’ existing systems

**Responsibilities:**

* Develop ASP.net WebForms based application
* Azure PaaS
* Implement and consume WCF based web services
* Implement Telerik based user interface components
* Implement RabbitMQ and Masstransit based Message queue
* SQL Server 2014 Programming

**Environment:**

C#, WCF, ASP.NET MVC, ASP.NET Web Forms, SQL Server 2014, LINQ, Entity Framework, CSS3, HTML5, jQuery,4.5, Visual Studio 2015, Telerik, RabbitMQ, Masstransit, Agile, Scrum,m Azure

**LHNCB at National Library of Medicine, NIH Bethesda, MD**

Senior Web Developer Sep 2015- Sep 2017

**Personnel Management System**

The project Personnel Management System help manage Researchers, Interns and Associates at the National Library of Medicine at NIH. It tracks their academic achievements such as degrees and awards and helps the NLM management track their career development at NLM. The system was originally developed in ASP and is in use for over 15 years. Support for some components such as Crystal Reports and Windows 2003 are no longer available. The system lacked user interface improvements due to the proliferation JavaScript and lacked important data security measures such as data encryption and secure login.

**Responsibilities:**

* Convert ActiveX Based Crystal Reports to .NET
* Implement sensitive data encryption in the database
* Implement LDAP based authentication
* Implement XSS and SQL injection prevention throughout the website
* Add search and data download functionalities

**Environment:**

C#, ASP.NET MVC, ASP.NET Web Forms, Classic ASP, Crystal Reports, SQL Server 2012, CSS3, HTML5, jQuery, COM+, VB Script, .NET 4.5, Visual Studio 2015.

**Lforms**

LForms is a lightweight, feature-rich, open-source widget that creates input forms for Web-based medical applications or to integrate into electronic health records (EHRs), personal health records (PHRs), and mobile health apps. LForms is a completely free widget toolkit that leverages LOINC's rich content model for panels, forms, and survey instruments. Developed by LHNCBC in collaboration with the Regenstrief Institute, LForms can read any of the 1,700+ panels defined in LOINC® and render a powerful data entry form. It works across all the domains (laboratory panels, survey instruments, etc.) included in LOINC. LForms power comes through its support of detailed form attributes, including: data type, cardinality, default value, units of measure (if numeric), answer lists (if multiple choice), ability to make multiple choice answer lists function as "select one" or "select all that apply," relationship (in a nested hierarchy) to other questions, default value settings, validation checks, skip logic and help messages.

**Responsibilities:**

* Develop node js based REST services that serves data stored in the elastic index to the user. The rest services can be customized to return specific fields only
* Develop ElasticSearch based indexes. These indexes are tuned to maximize response time and handle high volume traffic
* Implement Elasticsearch based search on the Gene Index.
* Create a Shell script using tools such as AWK, sed, sort and such to de-duplicate, group, truncate and sort raw data
* Create Jasmine and Mocha Tests based test for LForms

**Environment:**

Nodejs, Angular 2.0, Elasticsearch, REST, Mocha, Jasmine, Grunt, AWK, Shell Script, Red hat Linux, Oracle 11g, ASP.NET MVC, ASP.NET Web Forms, ASP, SQL Server 2012, SQL Server 2012, Jira, BitBucket

**Social Security Administration, Gwynn Oak MD**

Application Developer Jul 2014- Jul 2015

The purpose of this Project is to provide support to the Office of the Chief Strategic Officer (OSCO) at the Social Security Administration in connection with OCSO’s executive information site and all related data tables and reports. LOCKHEED MARTIN will seamlessly update and transition Executive and Management Information System (EMIS) from the current version to a new one by suggesting improvements including intranet web interfaces, database design, report design, and user tools.

**Responsibilities:**

* Develop tools that allow OSCO staff to update raw data
* Create new reports when necessary
* Develop a system that allows modifications to report structure, data elements, and charts/graphs without hard coding or new programming, through user-friendly interfaces
* Develop new program(s) with the flexibility for direct database access
* Develop interactive graphical user interfaces) (GUI) for the executive information site on EMIS, Agency Priority Goals (APG) and Strategic Objective data where, through data visualization (i.e., dashboards), users can easily identify overall progress and clearly see those areas or timeframes where additional information and analysis is required
* Provide business analyst support to document code, maintain, and archive program development and requirements changes by producing a data dictionary and a user manual
* Provide data analytics support as requested

**Environment:**

ASP.NET MVC, ASP.NET Web Forms, ASP, WCF, Web Services, SQL Server 2008, SQL Server 2012, SSIS, jQuery, Highcharts, Bootstrap, D3.js Library, JavaScript, CSS 3, HTML 5 C#, REST, ASP.NET Web API, Java, Spring 3.0, WebSphere, 508 Compliance.

**The Great Courses, Chantilly VA**

Senior Web DeveloperFeb 2013- Jul 2014

The Great Courses is a series of college-level audio and video courses produced and distributed by The Teaching Company, Chantilly, Virginia company, via mobile apps, CD, DVD, or MP3 and MPEG-4 download formats

**Responsibilities:**

* Maintain existing website and making frequent updates upon business requirements
* Work closely with the marketing team to implement new requirements and bug fixes
* Deploy website across dev, stage and pre-production environments
* Develop SQL stored procedures as needed for implementation
* Design, implement and maintain code that supports all browsers
* Implement tagging needed for tracking user behavior and conversion rates
* Implement split version of the website for testing purposes
* Implement user Interface using JavaScript and HTML5
* Create and maintain SSIS packages for the MIS Data Mart
* Maintain and enhance Apache Solr Search Platform and integrate it with the Website
* Develop and integrate email campaign using Strong Mail
* Develop REST API for mobile integration

**Environment:**

ASP.NET MVC, ASP.NET Web Forms, ASP, Visual Basic 6, Windows Froms, SQL Server, 2008, SQL Server 2012, SSIS, Solr, jQuery, JavaScript, CSS3, HTML5, WCF, C#, VB.NET, VB Script, REST, ASP.NET Web API

**Maricom, a CSC Company, Windsor Mill MD**

ETL Developer Aug 2012-Feb 2013

Maricom, a CSC company, is an IT solutions firm, specializing in Data Management, Software Engineering, Business Intelligence, and Contact Center solutions. Located within the Baltimore-Washington corridor Maricom has worked successfully with Government, Healthcare, and Commercial sectors, providing management, maintenance, and support of large and complex data environments.

**Responsibilities**

* Developed Mappings and Sessions based on user requirements and business rules to load data from source flat files and RDBMS tables to target tables.
* Involved into design the logical data model from the technical design documents and translating to a physical data model using ERWIN
* Designed the ETL processes using Informatica to load data from DB2, Oracle, SQL Server, Flat Files, XML Files and Excel files to target Oracle Data Warehouse database.
* Identified and loaded sources and targets metadata into repository
* Created Shell Scripts to control and initiate Informatica workflows, Process flat files and email status messages
* Developed Mappings and Sessions based on user requirements and business rules to load data from source flat files and RDBMS tables to target tables
* Designed the ETL processes using Informatica to load data from DB2, Oracle, Flat Files, XML Files and Excel files to target DB2 Database.
* Create SOAP Java web services using Apache Axis 2.

**Environment:**

Informatica Powercenter 9.1.0, Oracle 11g, 10g/9i, DB2 10 for z/OS, UNIX Shell Scripting, Windows NT/2000, Unix, Sun Solaris, Eclipse, Java, Apache Axis 2.

**Hertz Rent2Buy Park Ridge, NJ**

Analyst/Programmer Feb 2012- Aug 2012

Hertz Global Holdings Inc. is an American [car rental](http://rental/) company with international locations in 145 countries worldwide. Rent2Buy is an innovative program launched by Hertz Car Sales with the purpose of selling high-quality, active rental cars online at very competitive prices. Hertz Rent2Buy® provides customers with the opportunity to test the vehicle for 3 full days by renting it at a low special rate, which will be waived if the car is purchased.

**Responsibilities:**

* Created components using SOAP wire protocol for the communication between Hertz partners and the Rent2Buy
* Developed Solr based search service for cars in the rent2buy database.
* Consumed and exposed data to and from several clients using Web Service (SOAP and JSON)
* Designed and developed the messaging framework for communication between Rent2Buy, other Enterprise Applications and client data feeds over XML and MQ-Series
* Developed web interface using JSP, Servlets, JavaScript, CSS and JDBC for administering and managing users, vehicles and clients
* Developed and deployed various Entity EJBs and session EJBs
* Implemented a responsive website which can run on Desktops, Tablets and Smartphones using HTML5, JavaScript and CSS3
* Maintained and enhanced Rent2Buy website and Database
* Added and maintained various data consistency checks and alerts to the Rent2Buy Database
* Created Middle Tier to enable data transfer between Frontend and Database

**Environment:**

Environment: Java, JSP, Java Server Faces, Servlets, EJB, JDBC, ASP.NET MVC, SQL Server 2008, HTML, CSS 3, HTML5, XML, JSON, Subversion, WebSphere Application Server 6.1, jQuery, GWT, Backbone, Handlebar, Web services (SOAP, WSDL), JIRA, JSON, JUnit,

**IPSOS, Parsippany NJ**

Analyst/Programmer Aug 2011- Feb 2012

IPSOS is a global market research company focusing on the production, interpretation and distribution of information gathered from individuals about their opinions, desires, attitudes and behaviors. IPSOS operates over 80 countries worldwide. The Project I am working on is for Walgreens Customer Loyalty Research.

**Responsibilities:**

* Maintained and enhanced Walgreens Customer Loyalty website and Database
* Added and maintained various data consistency checks and alerts to the survey database
* Added or Removed questions to the customer survey database and website
* Cleaned, Transformed and Imported data from the survey to the Data warehouse using SSIS
* Created various data consistency checks and alerts on the imported data
* Prepared stored procedures to pre-calculate data for reporting
* Created and maintained ASP.NET Web forms based Website for reporting
* Created and Maintained various SQL Server 2008 Jobs for data processing and SSIS
* Developed ASP.net, Windows Forms and Service applications using Vb.Net and C#
* Developed a flex based application for Mobiles with .net Service based backend

**Environment:**

* ASP.NET Web forms, Windows Forms, WPF, JavaScript, jQuery, Dojo, ASP.NET AJAX, JSON, C#, Visual Studio.NET 2008, Visual Source Safe, Share point 2007, XML, XSLT, CSS, SQL Server 2008, Windows Services, SSIS, Flex, ActionScript.

**United Nations, New York, NY**

Information Systems Assistant Aug 2010- Jul 2011

The Headquarters of the United Nations in New York City employs a variety of technologies to fulfill the mandates of different departments and enable effective communications between its branches all over the world.

**Responsibilities:**

* Actively participated in United Nations Non-Governmental Organizations (NGO) Branch website usability enhancement studies and design
* Developed and maintained NGO branch website using Java, HTML, JavaScript and Servlets
* Created and maintained various scripts to host the application in Apache Tomcat container
* Maintained and enhanced custom MVC framework using JSP's, internally developed Custom Tag Libraries, JSP Standard Tag Libraries (JSTL), HTML, and JavaScript
* Created User interface using JSP, HTML, and JavaScript
* Maintained and enhanced NGO Registration Portal
* Created and generated reports using Pentaho reporting tool
* Maintained and enhanced event management system for UN agencies in New York and Geneva
* Created and maintained Tables, Stored Procedures, Triggers and Indexes for Oracle 10g database
* Enhanced the Paperless website to handle the volume of information submitted by Non-Governmental Organizations around the world

**Environment:**

JAVA, JSP, Servlets, Tomcat, JDBC, Spring Framework, JPA, Hibernate, JavaScript, jQuery, Dojo, Oracle, Eclipse, NetBeans, SQL Developer

**Emblem Health, New York, NY**

Analyst/Developer July 2009 – Aug 2010

Emblem Health provides health insurance to over 3.4 million members across New York, New Jersey and Connecticut.

**Responsibilities:**

* Create ASP.NET website for data gathering and presentation
* Maintain and support existing WinForms application
* Analyze requirements for the Request tracking intranet website
* Prepare Project Documentation
* Design SQL Server 2008 database for the request tracking application website
* Create database objects such as tables, views, stored procedures and indexes
* Create complex yet efficient stored procedures for Search and Reporting
* Created AJAX enabled User Interfaces for the Request Management Application using XHTML, ASP.NET MVC and jQuery
* Implement a Data Repository using ADO.net Entity Framework
* Test Driven Development using ASP.NET Test Framework
* Create SSIS packages for Extracting and loading data from legacy applications
* Design and Create Local and Remote reports using SSRS
* Deploy SSRS and consume reports in the web application

**Environment:**

ASP.NET, WinForms, WPF, JavaScript, jQuery, Dojo, Structuremap, ASP.NET AJAX, JSON, C#, Visual Studio.NET 2008, Visual Source Safe, Share point 2007, XML, XSLT, CSS, Active Reports, SQL Server 2008, Windows Services, SSIS, SSRS, ADO.NET Entity Framework, LINQ

**I3 Solutions, Sterling, VA**

Senior Developer Mar 2009 – Jul 2009

I3solutions is an IT consulting firm specializing in strategic application development, data management and systems integration, and collaborative solutions.

**Responsibilities:**

* Created ASP.NET web forms for data gathering and presentation
* Created and scripted Database components such as tables, functions and stored procedures to store data for effective retrieval and manipulation
* Created SSIS packages to extract from Excel and Text files, Cleanse and Upload to Oracle 10g database
* Created and consumed WCF services, web services and HTTP Handlers for asynchronous communication between the server and client
* Created detailed technical specification and documentation of the project
* Created AJAX user interface using DOJO Library
* Authentication using Active directory
* Customization ASP.NET Membership API to facilitate form based authentication and rule based authorization

**Environment:** ASP.NET, JavaScript, ASP.NET AJAX, WCF, JSON, VB.NET, Oracle 11.i, 10g, Visual Studio.NET 2008, Visual Source Safe, SharePoint 2007, XML, XSLT, CSS, Active Reports.

**FINRA, Rockville, MD**

Senior Web Developer Jul 2008 – Feb 2009

**Financial Industry Regulatory Authority** (FINRA) is the largest independent regulator for all securities firms doing business in the United States**. FINRA** operates Web CRD®, the central licensing and registration system for the U.S. securities industry and its regulators. It contains the registration records of more than 6,800 registered broker-dealers and the qualification, employment, and disclosure histories of more than 660,000 active registered individuals, making it the world’s largest and most sophisticated online registration and reporting system

**Responsibilities:**

* Created ASP.NET components and pages to add new functionality to the WebCRD application
* Analyzed their impact to the application
* Created and maintained XML documents and support functions for legacy application
* Created and maintained XSL Transformations to consume XML data
* Created and maintained oracle functions and procedures in packages to incorporated changes to the schema
* Created complex PL/SQL Stored Procedures to check the completeness of form filings
* Extensively used PL/SQL tables, cursors and exception handling
* Created database scripts to delete or update inconsistent data to maintain data Integrity
* Fixed performance issues and bugs within packages, forms, and reports using DBMS\_OUTPUT, TOAD and SQL Developer debuggers, explain plan and TKPROF
* Implemented AJAX Control extensions to enhance user experience
* Maintained and implemented Java Script functions for improved user experience
* SharePoint customization and development
* Maintain and debug old codebase

**Environment:** ASP.NET, ASP, C#, VB Script, JavaScript, AJAX, JSON, Oracle 11i, 10g, Eclipse, CVS, SharePoint 2007 XML, XSLT, CSS.

**MIC BUSINESS SOLUTIONS, INC, New York, NY**

Senior Web Developer Jan 2008 – Jul 2008

**MIC Business Solutions, Inc.** (MIBS), a wholly owned subsidiary of Mitsubishi International Corporation. **MIBS** provides information and communications technology consulting, as well as system and network integration, focusing mainly on medium-sized Japanese corporations with a presence in the U.S. The project was to design and implement a warehouse management system using barcode to manage Inventory.

**Responsibilities:**

* Participate in Requirements Analysis
* Created Database diagrams for the database
* Created Class diagrams, sequence diagrams and use case diagrams for the project
* Created tables, stored procedures and functions for the warehouse management system
* Create SSIS packages to Extract, standardized and upload product delivery notes from different suppliers to the warehouse database
* Designed and implemented User interface for the web application using server side AJAX
* Developed user interface for the WinCE based barcode reader
* Development and customization of SharePoint Site
* Implemented Barcode data manipulation and database interaction
* Implemented barcode reader behavior for the handheld device
* Create reports using Crystal reports
* Implemented modules to interact with SAP Web module to update stock
* Hosted site on client intranet

**Environment:** ASP.NET, JavaScript, ASP.NET AJAX, C#, SQL Server 2005, Visual Studio .NET 2005, Visual SourceSafe, Crystal Reports and Win CE 5.

**WORLD TRAVEL HOLDINGS, Woburn MA**

Analyst Programmer Jul 2007 – Dec 2007

**World Travel Holdings** is a multi-brand travel distributor with executive offices in Port Washington, New York and corporate offices in Woburn, Massachusetts. The company's owned brands include CruisesOnly, Cruises.com, Rooms.com, Vacation Outlet, CruiseOne, Cruises Inc., and Villas of Distinction. WTH's portfolio of licensed partner brands includes BJ's Vacations, Hotwire.com Cruises, Overstock.com Travel, Priceline.com Cruises, American Airlines Cruises, continental.com cruises, and many others.

**Responsibilities:**

* Maintain the existing ASP code base, with an emphasis on JavaScript
* Created Class diagrams, sequence diagrams and use case diagrams for the project from the specification provided
* Implemented .NET libraries to interact with client’s web services
* Implemented COM+ wrapper classes for this library to interact with legacy ASP code base
* Implemented Http based routines to interact with legacy web resources
* Created PL/SQL packages to incorporate changes to the database
* Created PL/SQL stored procedures and Functions
* Fixed performance issues and bugs within packages, forms, and reports using DBMS\_OUTPUT, TOAD and SQL Developer debuggers, explain plan and TKPROF
* Implemented testing cases for classes used for the gateway
* Implemented a gateway to Interact with WTH partners for data exchange using XML and HTTP
* Implemented web trends and 7 billion people analytic tools for the website
* Developed Java based middleware libraries to interact with Sabre web services
* Developed, debugged and maintained JSP and Servlet code

**Environment**: ASP, ASP.NET, JavaScript, VBScript, C#, Oracle, Visual Studio.NET 2005, Visual Source Safe, Visual C++, MFC, COM+.

**INPHONIC INC. Largo, MD** Dec 2006 – Jun 2007

**Analyst Programmer**

**InPhonic** is one of the Internet's No. 1 authorized retailers of cell phones, cell phone plans, and other wireless devices. InPhonic operates Wirefly.com, one of the 5 most visited electronics shopping sites in the world, and manages private label e-commerce sites for national retailers (such as RadioShack and Best Buy), internet retailers (such as Overstock.com and Buy.com), cell phone manufacturers (such as Motorola and LG), membership organizations (such as airlines and associations), and thousands of other partners and affiliates. The aim of the project I was involved was to enhance their Back-Office application with new functionalities called Invitation Codes.

**Responsibilities:**

* Designing and developing modules for the application
* Maintenance of legacy application in ASP code
* Designing application interface for Customer promotions and Invitation codes
* Implemented application logic for product return and damaged Items handling
* Coding application logic in ASP.NET using VB.NET
* Evaluating the impact of the new functionalities on the existing Application

**Environment:** ASP.NET, C#, ASP, VB Script, VB.NET, SQL Server 2000, 2005, Windows XP Professional, Visual Studio .NET, Visual Source Safe, MS Application blocks, SQL Server Reporting Services, Crystal Reports.

**SURFPIN LTD., London, UK**

Software Engineer Apr 2004 – Nov2006

**Surfpin Ltd, UK** is the market leader in providing Micropayment services in Europe, North America and Australia. Their business model includes mobile phone companies or aggregator, ecommerce and gaming websites and customers. The complexity involved in successfully completing a transaction in enormous. Also, there is a pressing need to provide the partner website with state of the art business intelligence about their payment pattern. Projects included designing and implementing transactional, highly available web services, business intelligence and customer service solutions.

**Responsibilities:**

* Created views, stored procedures and functions for the database
* Created COM+ components
* Created MSMQ components
* Created Windows services to manage Message queues
* Converted XML to HTML mark-up using XSLT
* Implemented Data marts for faster report processing
* Created MDX queries
* Converted Multidimensional queries to XML using ADOMD for reporting tools
* Created Smart client based customer support package using WebDAV and Exchange Server

**Environment:** ASP.NET, C#, COM+, MSMQ, SQL Server 2000, SQL Server 2005, SQL Server Business Intelligence Studio, Crystal Reports, SQL Server Reporting Services, WebDAV, XML**,** XSLT, XPATH, Web Services, Crystal Reports, WinForms, Smart Client Applications, SSIS, SSAS, SSRS, MS CRM.

**Pet Projects**

**Coupon Application** Dev 2017 - Present

Small pet project for small businesses to issue discount coupons and track customer reviews**.**

**Responsibilities:**

* Develop NodeJS and Angular 6 based application to offer coupons
* Implement and consume REST services
* Implement IONIC based mobile application for IOS and Android
* Implement Firebase datastore

**Environment:**

JavaScript, Nodejs, Angular 6, Firebase, Mongo, Ionic, TypeScript, Linux, Docker, AWS, Microservices

**Binary Sort (ongoing startup pet project), Frederick MD**

Senior Software Developer Jan 2015 - Present

BinarySort is an early stage start-up where responsibilities include, design and development of modular and scalable N-tier enterprise application. The application performs real-time social media monitoring. The application monitors and aggregates popular and trending articles from various social media platforms and present to the user via responsive web page.

**Environment:**

Node.js, .NET, Angularjs, Bootstrap, MongoDB, OAuth 2.0, CORs, Cloud9 IDE

**MMDB (My Movie DataBase) ongoing fun/ learning project**

Developer Mar 2017 - Present

The MMDB aims to create an index of publicly available movie datasets. The project aims to combine sophisticated search on a number of criteria such as name, year, genre, studio, actor, country, language. For Elasticsearch is used for indexing the data. The project exposes a number of REST APIs for querying, adding and updating the movie data. The project consumes APIs from IMDB and TMDB to query movie details and reviews. In addition, the project exposes its API using Azure API Management Gateway. The APIs are designed as microservices using Spring boot and .NET core,

Environment

.NET core, Java, Nodejs, MongoDB, Elasticsearch, Azure, Azure Storage, Azure Functions, Angular, Jenkins, GitHub, Docker.

**Custom Album Designer (ongoing startup pet project)**

customalbumdesigner.com

Senior Software Developer Jan 2016 - Present

Custom album designer helps professional and amateurs to create stunning albums with their photos for any occasion or event. The site gives option to upload photos, choose designs, binding types and previews and suggestions. The project is aimed to move the entire operation to AWS with modern JavaScript based user interface and cloud storage and hosting.

**Environment:**

Flask, React, AWS, Python, JavaScript, S3, DynamoDB, Bootstrap, OAuth 2.0, CORs, Cloud9 IDE, CI CD, Jenkins