

Deep Desai

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TECHNICAL SKILLS

- **Proficient:** C#, VB.Net, JavaScript, SQL Server, Visual Studio 2019, Linq, SSRS
- **Exposure:** Java, jQuery, HTML5, CSS3, Burp Suite

PROFESSIONAL EXPERIENCE

Softrip | Software Engineer | Philadelphia, PA

Aug 2017 - Mar 2020

- Implemented 2-factor authentication using time-based one-time password algorithm written in C# to make software browser agnostic, helping clients to allow their employees to work from home.
- Performed extensive report debugging and development using SQL Server Reporting Services (SSRS) and writing complex SQL queries to help clients create 3X more detailed invoices and travel documents.
- Implemented Product Portal to help tour leaders make updates to ongoing tours and decrease dependence on the data team by ~50% utilizing C#, JavaScript, and SQL Server following MVC design pattern.
- Upgraded Custom SSRS Data Processing Extensions to support reading data from SQL Server and Web Server API used by 40+ clients and avoiding the need to maintain separate users for reporting services.
- Performed optimization on Stored Procedures and Table Valued Functions by creating temp tables of table variables which reduced time to create tour manifest by 10X (from 20 mins to 2 minutes per tour).
- Wrote 30+ Integration test and 70+ unit tests for middleware components using dotnet Test and xUnit, resulting in 70% coverage of the codebase.
- Architected JSON API to import marketing data from Salesforce to Softrip CMS used by 10+ clients.
- Collaborated on a team of 3, writing views, triggers, and SQL jobs to automate manifest generation and overnight product loading to help clients to increase their productivity by 30%.
- Reviewed penetration testing results received from clients and worked with senior developer to resolve vulnerabilities in Web API (.Net Core 3.1); achieved PCI compliance for company software.
- Conducted penetration test on entire client website using Burp Suite Pro to identify security vulnerabilities and proactively reported them to team lead.
- Solved 300+ bugs with 98% client satisfaction, as highest performing member of Technical Service team.

PCS Global Tech | SQL/BI Developer | Wayne, PA

Jun 2017 - Jul 2017

- Performed database development based upon requirement specifications provided from Senior developer in SQL Server; established compatibility knowledge in T-SQL and MS SQL Server development.
- Created database objects including Stored Procedures, Functions, Tables, Views, and Temporary Tables.

PaceInfonet Web Solutions Pvt. Ltd. | Web Developer | Vadodara, Gujarat, India

Aug 2014 - May 2015

- Engineered community based social networking website using C# and ASP.NET framework as part of the Industrial Development Program.
- Collaborated with senior developers on project scope and design challenges and attended client meetings to obtain more information/requirements on website.

EDUCATION

Master of Science in Cyber Security, *Drexel University*

Mar 2017

Bachelor of Engineering in Computer Science and Engineering, *Gujarat Technological University*

Jun 2015

PROJECTS

Inmate Locator | Software Engineer | github.com/deepdesai003/InmateLocator

Apr 2020

Architected RESTful API to support backend of prison system database to enable friends, family, and wardens to track inmates in their location using C#, .NET Core 3.1, Swagger UI, and SQL Server.

Deployed the new API using Azure DevOps by creating Azure Pipeline.

Project Euler Challenges | Software Engineer

Jun 2019 - Present

Solved 22 mathematical challenges on projecteuler.net in C#, with problems such as lattice paths, longest collatz sequence, largest product in series, and special pythagorean triplet product.