

Technical Skills

- Languages: C#, PHP, Java, C++, C, JavaScript, SQL, Python, MATLAB
- Web Development: HTML5, CSS, AJAX, JSON, XML, Twig, Razor
- Frameworks & Libraries: ASP.NET MVC, Slim, Zend, jQuery, Bootstrap, Android SDK
- Databases: Microsoft SQL Server, MySQL, SQLite, MongoDB
- ORM Software: Entity Framework, NHibernate, Doctrine
- IDEs: Visual Studio, PHP Storms, Android Studio, IntelliJ, Eclipse, Dev C++, Keil uVision4, Sublime, Business Intelligence Development Studio

Experience

Web Application Developer

gatewayIQ, Cambridge ON

Jan. 2015 – Apr. 2015

gatewaylogin.com/marketing.php

Re-architected gatewayIQ's new web application using the PHP Slim Framework. Implemented reusable object-oriented design patterns allowing for ease of future integrations in the communication software.

.NET Software Consultant

Systemgroup Consulting Inc. (Microsoft's 2013 Canadian Partner of the Year), Mississauga ON systemgroupinc.com

Sept. 2013 – Dec. 2013 · May 2014 – Aug. 2014

Designed multiple customer web application features using the ASP.NET MVC Framework. Developed server-side services in C# and clean web interfaces using HTML, CSS and JavaScript, having AJAX requests and JSON models for data communication with the presentation layer. Created performance-optimized backend infrastructures using Entity Framework and LINQ queries.

Software Developer

WealthServ (BlueSun Inc.), Burlington ON

Jan. 2013 – Apr. 2013

wealthserv.com

Performed various database administration tasks and relational data modelling with SQL Server, for insurance-based business operations. Created big data analytics reporting solutions using Business Intelligence Development Studio. Communicated the implementation of software and data solutions in daily team meetings and conference calls.

Education

Candidate for Bachelor of Applied Science (BASC), Mechatronics Engineering, University of Waterloo, Class of 2017

- Relevant Courses: Microprocessor Systems and Interfacing, Computer Structures and Real-Time Systems, Microprocessors and Digital Logic, Data Structures and Algorithms, Digital Computation
- President's Scholarship of Distinction: 95%+ average

Projects

- **Personal Website & Blogging Engine** (hamritsidhu.com) – Developed a personal portfolio and blog using the .NET Framework and MongoDB
- **TextLoc** (challengepost.com/software/textloc-f9zbj) – Built a GPS Tracking texting service using the Android SDK and SQLite
- **Project Euler** – Solved multiple project Euler problems
- **Half-Fit Algorithm** – Dynamic memory allocator

See more at github.com/hamritsidhu

Leadership

- **Director** of the WEC Programming Competition and Engineering Career Fair at the University of Waterloo
- **Treasurer** of the Student Administrative Council at Lester B. Collegiate Institute
- **Vice President** of DECA at Lester B. Pearson Collegiate Institute