

Harshit Arora

STUDENT

Motivated college student with 1+ years of Co-op experience as a Database Application Developer. Recognized for developing solutions to save costs and provide user satisfaction, seeking to gain advanced software engineering skills where my experience in analysis, design and implementation of software systems would highly contribute to the company's growth and success.

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EDUCATION

Computer Programming And Analysis Seneca College of Applied Arts and Technology

01/2017 – Present

Courses

- Object-Oriented Application Development: Designing classes and executing mathematical operations using C++/C#/Java/Swift with dynamically allocated resources to model the components of a programming solution.
- Web Development: Implementing and deploying a professional-level HTML/CSS/JavaScript web app using scalable Node.js/Express.js services, Angular framework, and jQuery/React/Knockout libraries on a well-organized MVVM architecture and MVC design principles, to ensure reliability, quality, maintenance, and adaptability.
- Database Programming: Developed and maintained the integrity of data and objects like procedures, functions, packages and database triggers in PL/SQL language using Oracle relational databases.
- Operating Systems: Windows, Mac OSX, Linux.

WORK EXPERIENCE

Database Application Developer Davco Industries Ltd.

01/2018 – Present

Markham, ON

Achievements/Tasks

- Using a variety of technologies, including C#, ASP.NET, MS Access, Azure and SQL Server 2017 applying various skills to evaluate, design, implement and optimize databases and database applications.
- Switching from MS Access to SQL Server, providing multi-user ability increasing the efficiency by 50% and decreasing the latency by 50%.
- Increasing the bug detection efficiency and accuracy by 70% while keeping a 4-hour maximum time-frame to fix a reported bug by a user.
- Implementing a time-management module keeping track of average time spent per project, capturing 98% real-time costs, decreasing projects' overall budget by 40%.
- Collaborating with Product Engineer to integrate the app with AutoCAD, saving manual input by 90%.

Contact: David Keehl – dkeehl@davcoindustries.ca

ACADEMIC PROJECTS

Employee Management System (02/2019 – 04/2019)

- Deployed a web user interface (UI) application using Angular and Typescript which manages employees' personal information.
- Implemented Template-driven forms with proper validation bound into the UI and configured Angular app to use HTML forms.
- Factored application logic into services and made them available to components through dependency injection.
- Tested the code through Angular testing utilities, Karma, Jasmine, and Protractor.

Case study on Key North Cottage Supply (10/2017 – 11/2017)

- Led the team to deploy an HTML/CSS/JavaScript website with a detailed business model in an Agile environment.
- Identified the key stakeholders, use cases, business processes, and business rules.
- Implemented Bootstrap framework and jQuery library to maintain an error-free easy flowing website.

Inventory & Order Management Application (09/2017 – 10/2017)

- C++ application to keep track of items in Inventory and Orders of computer parts in multiple stores.
- Extensively used classes, functions, and queue containers from Standard Template Library to ease complexity and save time.
- Applied a systematic approach to design multitasking solutions and a variety of skills to anticipate and solve problems.

SKILLS

Accountability

Analytical

Attention to detail

Critical Thinking

Problem-solving

Teamwork

Time Management

Verbal & Written Communication

Autonomous

TECHNICAL SKILLS

Software Development

Agile SDLC, Test Driven, Simple Design, Project Management, Version Repository, Data Structures

Programming Languages

C/C++, C#, Java, Swift, JavaScript, HTML/CSS, Bash

Databases

MySQL, SQLServer, Oracle SQL, MongoDB, PostgreSQL, DB2

Technologies And Frameworks

Angular JS, React, Node JS, Express, Knockout, jQuery