

# Addy Singh Arora

820 Ledbury Crescent, Mississauga, ON L5V2P9, Canada

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🔗 addy689

## Summary of Qualifications

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- 3 years of developing C# desktop applications and less than 1 year of developing web applications using ASP.NET MVC
- Excellent grasp of OOP concepts and data structures (BST, Heaps & Priority Queues, Hash Table, Sorting and Searching algorithms, Graph Traversal algorithms). Proven experience in performance optimization using improved design/data structures
- Experience working with SQLServer, and building and consuming RESTful API web services (see Work Experience -> SOCKMONKEY)
- Squashing bugs is second nature to me - I held the record in my awesome team at KLA-Tencor for the highest number of *high* to *medium* priority bugs fixed in a week (~20)
- Excellent understanding of Git. Develop actively on [github.com/addy689](https://github.com/addy689)
- Thrive working in a team environment

## Technical Skills

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**Proficient at:** C#, Python, Javascript, Google Apps Script, .NET Framework 4.5, .NET WPF, 'Syncfusion' WPF library, SQLServer 2016, XAML, JSON, Visual Studio 2017, CodedUI Test Automation Framework, MS Unit Testing Framework, Git, TDD, Linux BASH scripting

**Working knowledge of:** ASP.NET MVC, .NET Core, .NET Standard, HTML5, CSS3, jQuery, Bootstrap, D3.js, Node.js, IIS

## Work Experience

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### Volunteer - Software Developer

Nov 2016 – Present

PAM & JOE HANDCRAFTED INC., Charlottetown, PE

- Developed a suite of .NET WPF and console applications [[link-to-sourcecode](#)] in C# for handling business processes such as dynamically generating inventory price tags, uploading products to Shopify web store using Flickr API and Shopify API [*in progress*], and inventory migration utilities between proprietary Inventory Management systems.
- Developed an Inventory Transfer Module in Google Apps Script (bound to a GoogleSheet) that tracks inventory movement between warehouses. Incorporated many performance optimizations, such as utilising the caching service and Binary Search Trees for searching through the large inventory data set.

### Associate Software Engineer

Jul 2013 – Feb 2016

KLA-TENCOR, Chennai, India

- Co-led a five member team in creating, storyboarding, prototyping (using D3.js, Python, HTML5, .NET WPF), implementing (using .NET WPF, third-party WPF library 'Syncfusion', WinForms, C#, C++\CLI) and extensively testing (using .NET CodedUI Automation Framework) a solution (called 'AlgoTuner') to a crucial customer usability problem in the Defect Review process. Received excellent feedback from KLA-Tencor's client, Intel Corporation - the Defect Review process duration had

reduced from 4-5 hours to a mere 30 minutes, increasing throughput, and reducing cost at Intel's manufacturing plants around the globe.

- Developed features for a Windows-based product, the *eDR-7100*, that is used by KLA-Tencor's customers (Intel, TSMC and others) at their semiconductor fabrication plants for inspecting and reviewing defects arising in the chip manufacturing process
- '*AlgoTuner*', NIC MAC address spoofing prevention, Image crop and rotate, and 8-bit Grayscale to 24-bit Truecolor image conversion were some of the main features I worked on
- Collaborated effectively with a high-performing team, sharing challenges with teammates through periodic tech-talks, and closely interacting with global customers and Silicon Valley counterparts to deliver promising solutions to existing problems
- Received the 'Outstanding Achievement by a New College Graduate' award for successfully executing time-critical customer projects.

### **Intern Software Engineer**

**Dec 2012 – Jun 2013**

KLA-TENCOR, Chennai, India

- Designed and implemented a test automation framework (in IronPython) for the unit and integration testing of the Defect Inspection & Review use cases of KLA-Tencor's *eDR-7100* product. The above framework is heavily utilized for testing new features being integrated into this product

### **Team Lead**

**Fall 2011**

SOCKMONKEY, NIT Calicut, India

- Led a four-member team that designed and implemented a comprehensive web application Sockmonkey [[link-to-sourcecode](#)] to manage participant, registration, accommodation and event information for National Institute of Technology Calicut's annual interuniversity tech competition/festival *Tathva*
- Used PHP, PostgreSQL, Javascript, HTML and CSS to implement this web application. Set up a LAPP server to host the app

### **Intern**

**Summer 2011**

INFOTRELLIS, Chennai, India

- Designed Entity Relationship database models for a Timesheet Management Application & a Leave Tracker Application
- Set up Apache Subversion for the development team, and demonstrated it's features using TortoiseSVN, a GUI-based SVN client
- Conducted a 3-day session for employees on Linux Fundamentals, including scripting on BASH

## **Education & Training**

### **Master of Computer Applications**

**2013**

National Institute of Technology, Calicut, Kerala

### **St. Stephen's College, University of Delhi**

**2010**

*Bachelor of Science, Applied Physical Sciences*

REFERENCES AVAILABLE UPON REQUEST

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**Wolters Kluwer CCH Canada**  
90 Sheppard Ave E  
North York, ON M2N 6X1

July 23, 2017

Dear Virginie,

Subject: Software Developer

Regarding the *Software Developer* position currently listed on *LinkedIn*, please find enclosed my resume for your consideration. I am extremely passionate about designing and coding software applications, and derive immense satisfaction in solving complex technical problems. As listed under the *Summary of Qualifications* and *Work Experience* sections in my résumé, I have considerable experience in .NET, C#, XML and SQL, hands-on experience in developing web applications, and in my previous roles have effectively collaborated with Engineering, Management, Marketing and other functional teams to create enterprise application software as solutions to complex technical problems.

I quit my most recent job on Feb 29, 2016, because I was immigrating to Canada in the first week of April, 2016. I have been actively looking for a job here since, and I am available to start working as soon as required. In my previous role as *Associate Software Engineer* at *KLA-Tencor* (listed under *Work Experience* in résumé), I was awarded the *Outstanding Achievement by a New College Graduate* award for storyboarding, designing and implementing a new product (in C# .NET using the WPF framework and WinForms) that was a huge success with Intel (one of KLA-Tencor's customers). Auxiliary responsibilities included supporting bug fixes, contributing to technical documentation (including design diagrams, class diagrams, sequence diagrams), participating in code review sessions, and planning project roadmap and estimation. In my role as *Team Lead* for *Sockmonkey*, *NIT Calicut* (listed under *Work Experience* in résumé), I led a team in designing (database entities, their relationships, overall application architecture) and implementing a robust web application for managing an inter-university competition.

I thank you for considering my resume. I'm very enthusiastic about the opportunity to bring my drive to succeed and my passion for solving challenging complex problems to your company. I look forward to hearing from you to discuss my application and to arrange an interview, and will be reachable by email at addy689@gmail.com

Thanking you.  
Yours truly,

**Addy Singh Arora**

*Encl.: Résumé*

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## References

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### Ravi Manohar

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### Raj Kuppa

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