

# Gagandeep Kaur

## SOFTWARE DEVELOPER

Bellevue, WA

LinkedIn : <https://www.linkedin.com/in/kaur-gagandeep/>

Github : <https://github.com/kaurgdeep>

Portfolio : [https://kaurgdeep.github.io/Dev\\_portfolio/](https://kaurgdeep.github.io/Dev_portfolio/)

I am a Software Developer/Tester with the ability to design, develop, stand alone and web-based applications. I am a team player, self-starter with excellent communication skills that are of paramount importance in identifying critical business requirements, suggest solutions, develop project plans. Passionate about finding creative solutions to any problem experienced. Trained in Python, C# and MEAN-Stack. Technical abilities provide me a unique and compelling skill set.

### SKILLS

- HTML / CSS / jQuery / JavaScript/ TypeScript
- Python / C# / MEAN-Stack / Angular
- Django / Bootstrap / Materialize / .NET Core / ASP.NET
- MVC / OOP / API's
- MySQL / MongoDB / MS SQL
- Selenium
- IBM Rational DOORS
- Making Config files in Configmaker
- Experience with Git
- Knowledge of Data Structures
- Software Development Fundamentals
- Software Debugging and troubleshooting
- Problem Solving
- Ability to work independently and within teams
- Knowledge of Backend Development

### Projects

#### Kuber

- **Kuber:** Kuber is a ridesharing web application connect drivers and passengers. Passenger can request a ride and nearby driver accepts your request, Kuber displays the driver heading to passenger's pickup location and dropped off to the passenger's destination.
- **Technologies Used:** Angular, ASP.Net Core, Entity Framework core, Google Maps
- **Source:** <https://github.com/kaurgdeep/Kuber>

#### Photo Sharing Website

- **Photo Sharing Website:** It is a photo and blog sharing website allow users to upload, store, edit, organize, and share photos. This site connects users with others through comments, tags, and likes. User can also post a message or a blog which also other users can comment and like.
- **Technologies Used:** Angular, ASP.Net Core, Entity Framework core.
- **Source:** <https://github.com/kaurgdeep/Instagramapp>

## **Wedding-Planner**

- **Wedding-Planner:** This is a website that allows registered users to plan a wedding with venue information. Visitors can RSVP and un-RSVP to weddings and view attendee lists. User who created the wedding can also delete it.
- **Technologies Used:** ASP.Net MVC, Entity Framework core, session management.
- **Source:** <https://github.com/kaurgdeep/WeddingProject>

## **PROFESSIONAL EXPERIENCE**

- **7+Years(Accountant & Retail )**
- **2 Years software developer**
- **7 Months SDET**

### **Spectralux Avionics — SDET/ Software Developer**

Nov 2018 - May 2019

Spectralux Avionics is a leading aerospace electronics company that develops and manufactures high reliability data link communication equipment that provides FANS 1/A, ATN CPDLC, AOC ACARS, and Condition-based Global Flight Tracking.

- I have Designed and developed a C# tool where a XML file is passed and as output it given the relevant data back after bitmanipulations and calculations.
- Used to do UI Automation testing by sending Keystrokes.
- Manual testing and plan building skills.
- Preparing and executing the test cases in python.
- Experience in documentation of test cases in IBM Rational DOORS by making tables, adding columns and setting inlinks and outlinks.
- Used to make config files through Configmaker to set initial state of test case.
- Prepare the status report of testing activities.
- Develop test cases and prioritize testing activities.
- Conduct regression testing every time when changes are made to the code to fix defects.
- Wrote Selenium automation.

### **Trilogy Education Services - Teacher Assistant**

Sep 2018 - Dec 2018

- Work with students one-on-one.
- Solve the problems that students are having With the course material.
- Review experiments beforehand, ask and answer Student questions.
- Help students with HTML5, CSS3, JavaScript, jQuery, Bootstrap, Express.js, React.js, Node.js, MongoDB, MySQL, Command Line, Git and more.

### **Coding Dojo — Student Full Stack Web Developer**

April 2018 - Nov 2018

Studied Three Full Stack technologies for web development in C#, Python, MEAN.

#### **C# for Web Application:**

- Used ASP.NET Framework
- Used session management
- Used backend and frontend fields validations
- Used SQLite as a backend locally
- Used Visual Studio
- Experience with Microsoft SQL
- Implemented all CRUD Restful Methods for the Webapps
- Created projects that has one-to-many and many-to-many Entity relationships along with the corresponding Model Validations on the server side
- Deployed application in AWS

**Technologies used:** C#, ASP.NET, MVC, SQLite, CSS, HTML

### Python for Web Application:

- Used Flask to develop server side restful web applications
- Used SQLite as a backend locally
- Used Django with its capability for session management
- Used BCrypt for hashing users password for the login and registration app
- Implemented all CRUD Restful Methods for the Webapps
- Created projects that has one-to-many and many-to-many Entity relationships along with the corresponding Model Validations on the server side
- Deployed a full-fledged Django application in AWS
- Created Multi-App Django application

**Technologies used:** Python, Flask, Django, SQLite, CSS, HTML, JavaScript

### MEAN Stack (Javascript based Full Stack)

- Used NOSQL Db such as Mongo (Mongoose )
- Used npm plugins for validation and price formatting, Body-Parser for handling response formatting as json , path etc.
- Used Angular 2 for the front end piece
- Applied Angular routing to switch from page to page without refreshing the whole page
- Used components and move data from one component to another using @Input and @Output constructs
- Used POSTMAN to test Node APIs

**Technologies used:** MongoDB (Mongoose), Express, Angular 2, Node Js, Typescript, CSS, HTML, Bootstrap, JavaScript

### Selenium

- Have used Selenium to automate user scenarios for my project work as a way of enhancing the quality of the web application we developed as a group of three people.
- Have used different functionality of Selenium in my project:
- Simulating user interactions such as clicking, selecting from a drop down, writing to a text field, checking a checkbox, verifying for the presence of an element etc
- Waiting for elements that took long to render
- Used POM design pattern to create the model
- Used NUnit to write the automation test in C#
- Changed my project's html so that they have ids for quick look up for selenium
- Our instructors were amazed and applauded us for using an automation tool to test our application we created

### ACCOMPLISHMENTS

- **Python - Black Belt (Coding-Dojo)**
- **C# - Red Belt (Coding-Dojo)**
- **MEAN-Stack - Red Belt (Coding-Dojo)**

### EDUCATION

**Khalsa College, India — B.Sc. (Computer Science, Maths, Chemistry, Physics)**