





# Ghanan Jeeva

## Systems Design Engineering

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## EXPERIENCE

### WEB DEVELOPER | SPRINGBAY STUDIO

Jan - May 2020 | *HTML, CSS, JavaScript*

- Created a "CO2 calculator" alongside a leaderboard system to make **API calls** to an AWS back-end database shared between the iBiome app and website in order to track user's CO2 daily consumption
- Programmed the complete front end of the company's promotional website to create a sleek, user friendly experience

### MOBILE GAME DEVELOPER | SPRINGBAY STUDIO

Jan - May 2020 | *Unity, C#*

[apps.apple.com/us/app/ibiome-arctic-50th-earth-day/id1476091149](https://apps.apple.com/us/app/ibiome-arctic-50th-earth-day/id1476091149)

- Led development for major features of iBiome app using **object-oriented** programming resulting in "App of The Day" placement on **Apple Store**
- Investigated and fixed long-standing bugs to improve user playability and appeal to customers like Google for the app to be placed on the Google Classroom platform
- Refactored code and **revamped asset loading** to significantly improve performance of the game on mobile devices

### FULL STACK DEVELOPER | STRATUS 360

Sept - Dec 2020 | *HTML, CSS, JavaScript, Apex*

- Developed lightning **responsive mobile web pages** for client companies using Lightning Web Components(LWC), **leveraging asynchronous JavaScript** to create a fast, smooth user experience
- Proposed webpage mockups and prototypes to client company and resolved issues with clients through Jira
- Created a web component that generates a word document template auto filled based on client account information using **cookies** to remember user inputs

## PERSONAL PROJECTS

### EMPLOYEE MANAGEMENT SYSTEM | JAVA

SEPT 2018 - JUN 2019 | *JAVA, NETBEANS*

[github.com/ghanan-jeeva/Employee-Management-System](https://github.com/ghanan-jeeva/Employee-Management-System)

- Programmed an **object-oriented** database using a NetBeans-GUI to add, edit, and remove user-inputted employee info in a **hash table**
- Persisted user data by **caching user properties to a local file**

### PERSONAL PORTFOLIO WEBSITE | HTML, CSS

SEPT 2018 - JUN 2019 | *HTML, CSS, BOOTSTRAP*

[ghananjeva.com](https://ghananjeva.com)

- Developed website **from scratch** using HTML and CSS to highlight past projects and experiences using Visual Studio Code
- Implemented **responsive design** using Bootstrap

## SKILLS

**Languages:** Java, JavaScript, SQL, Python, C++, Arduino, HTML, CSS, C#, PHP, Apex

**Tools:** Unity, Visual Studio

Visual Studio Code, Solidworks, Tableau, Jira

## AWARDS

*FRC 2018 Worlds Championship Semi-Finalists*

*FRC 2018 Ontario Provincial Semi-Finalists*

*FRC 2019 STEMley Cup International Champions*

## EDUCATION

University of Waterloo

B.A.Sc. **Systems Design Engineering '24**