James Green

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// Tools & Technologies Experience

Languages
- Python & Jinja2 (Python OOP)
- JavaScript / AJAX (ES5, ES6, TypeScript, JavaScript OOP)
- C# (Abstract classes, Inheritance, Polymorphism, C# OOP)
- HTML5 & CSS
- SQL & NoSQL

Frameworks
- Flask
- Django
- .Net Core MVC
- Entity Framework Core
- Express.js
- Angular
- Node.js

Databases
- SQLite
- MySQL & MySQL Workbench
- MongoDB & Mongoose

Other Tools / Services –
- Git & GitHub Collaboration
- BCrypt & Regex
- Amazon Deployment (EC2)
- LINQ & Dapper
- RESTful API
- Socket.io

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// Projects & Coding Experience (in and out of school)

- **Python Projects:** Built full stack web applications in various **Python** frameworks:
  - Built modularized applications using Django and SQLite
    - Built many websites with login/registration functionality.
    - Used Bcrypt to hash user passwords before storing to a database.
    - Used Regex for URL routing and password verification.
  - Utilized RESTful API on created web apps.
  - Built smaller scale, lightweight applications using Flask and MySQL
  - Code Example: https://github.com/jgreen7773/python_stack/tree/master/django/django_full_stack/restful_tv_shows

- **C# Projects:** Co-created an interactive **football-theme-oriented** online dating web application that utilizes interactive features such as a 'man-cave' or 'she-shack' based on gender (to browse profiles and photos), and a 'playing field' where users interact to push the football to the opposite goal based on text detections in user messages.
  - Full stack web development in various **C#** technological frameworks:
    - Login and Registration with name, password, email, profile photo, age, and gender.
    - PayPal API implementation.
    - Code Example: https://github.com/jgreen7773/GoalForIt
  - Built other full stack web applications using C#, .Net Core MVC Framework, Entity Framework Core and MySQL (modularized)
    - Created scalable and interactive front-end data visualizations using HTML5 and CSS.
    - Built multiple websites with login/registration functionality.
  - Used LINQ and Dapper for database querying and updating.

- Utilized Amazon's EC2 Deployment Service to deploy local web apps.
- Collaborated in small groups using GitHub to create **presented** web apps.

- **Mean Project:** Built portfolio-based web app with a user login & registration system, email system, video platform, and articles system.
    - Full stack web development in **MEAN** frameworks using JavaScript:
        - Implemented NoSQL database using MongoDB and Mongoose.
        - Built full stack single page applications with Angular, Express, RESTful API, MongoDB.
        - Used Socket.io and Angular to build a real time chat application.
        - Experience in working with Virtual machines, Linux/Unix and Windows environments.

// Prior Experience

- **New Life Roof Care, Roofing Technician**   **2007 – 2017**
A family-owned. I managed the roles of investigative technician and/or inspector, supervisor, and laborer. I oversaw employees, customer relations/sales and material/supply management.
    - 100% customer satisfaction
    - No claims or complaints during 12 years of business

- **Quality Custom Finishing, Painter**   **2012 – 2015**
    Industry in which I was a laborer. I managed the roles of supervisor and laborer.

// Education

- **Coding Dojo, Bellevue, WA 2019 (Graduated)**
    - C# (Full Stack) – **Black Belt of Achievement (Highest Honor of Achievement)**
    - Python (Full Stack), Web Fundamental, MEAN (Full Stack)

- **Mentored Learning on Databases and Software Development, 2018 – 2019**
    - Python – Efficacy of Data Structures
    - Tableau – Data Visualizations
    - Microsoft Access Database – Clean Data
    - Agile Manifesto – Team Work Style and Work Efficiency

- **Bellevue College, Bellevue, WA 2010 – 2012**
    Targeted degree in Computer Science, 45 Credits of Completion – Time Permitting Transfer Program to BYU online. Activities and Societies – Phi Kappa Theta

- **Brigham Young University, Idaho, 2016 – Current**
    Targeted degree in Computer Science, 15 Credits of Completion – Time Permitting completion. BYU Pathway Connect Certificate of Completion with 4.0 Grade Point Average

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// Personal

I value integrity, work ethic, humility, and good communication. I am an amiable and humorous Native of Seattle, though I speak fluent Thai after living there one year. Enjoy Fantasy Novels.