

## Joshua D. Karisch

College Station, TX | [joshuakarisch@gmail.com](mailto:joshuakarisch@gmail.com) | (979) 716-9007 | [joshuakarischdev.net](http://joshuakarischdev.net) | [LinkedIn](#) | [GitHub](#)

### Summary

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Self-taught in several programming languages with a focus on web development, particularly in Java, Python, and C++. Expanded on foundational skills with advanced courses on Coursera, demonstrating proficiency in Python for backend applications and efficient use of Git for version control. Skilled in designing RESTful APIs and deconstructing intricate coding challenges. Currently seeking roles in back-end development but am adaptable and open to various positions in the software and programming domains.

### Technical Skills

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- **Programming Languages:** Java, Python, HTML, CSS, C++, SQL (SQLite, MySQL), JavaScript
- **Frameworks and Libraries:** Django, Bootstrap, Django REST Framework
- **Development Skills:** Object Oriented Programming, Problem Solving, RESTful API Development
- **Tools and Technologies:** Git, Microsoft Excel, ChatGPT
- **Other Relevant Skills:** Service, Teamwork, Management, Communication, Collaborative Problem-Solving

### Projects

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#### Personal Resume Website | Website

September 2023 - Present

- Constructed a personal resume website utilizing Django; achieving dynamic content management through Django Models and a backend capable of seamless updates.
- Designed a responsive web interface with Bootstrap, improving cross-device compatibility, and utilized jQuery for interactive elements, enhancing user engagement.
- Implemented Whitenoise for efficient static file management, ensuring quick load times.
- Deployed the application using Amazon Web Services (AWS) on an Elastic Compute Cloud (EC2) instance to guarantee online availability in the cloud.

#### Restaurant Website Clone

August 2023 - Present

- Elevated a foundational coursework project into a web application by utilizing Django Models to emulate restaurant management systems.
- Developed high-quality RESTful APIs with Django REST Framework for menu items, carts, and orders, aligning with industry best practices.
- Integrated frontend technologies including Bootstrap and jQuery to build interactive features like image carousels that contribute to a captivating user interface.

#### Shopping List Application

September 2023 - Present

- Launched the development of a shopping list application using the Django REST Framework, designed to generate 'lists' from detailed 'recipe' data involving many ingredients.
- Focused on experimental and iterative development to refine API functionality and user experience.

### Work Experiences

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**Server/Bartender** *Proudest Monkey & All the King's Men*

Mar 2022 - Present

Reference: Jose (210) 580-3638

**Server** *Cracker Barrel*

Oct 2021 - Jan 2022

Reference: Dan (979) 450-4066

### Education

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**Texas A&M University, College Station, Texas**

Discontinued May 2021

Pursuing Bachelor in Computer Science

**Giddings High School Giddings, Texas**

May 2019

### Certificates

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- META Back-End Developer Professional Certificate - Offered by Coursera Jan 2024
- TABC Certification Aug 2021
- Texas Online Food Handler Certification Aug 2021
- LBS Complete Bartending Certification Aug 2021

### **Extracurricular and Volunteer Activities**

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- Participation in HP Code Wars Fall 2018, Fall 2019
- UIL Computer Science Fall 2018 – Spring 2019
- Beta Club Fall 2018 – Spring 2019
- High School Student Leadership Council Member Fall 2017 – Spring 2019
- Platform Committee Representative at Texas Boy's State Spring 2018
- Volunteered for various community and social initiatives 2015 – 2019

### **Awards**

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- High School Top 10 (Spring 2017, Spring 2018, Spring 2019)
- UIL State Computer Science 4A: 4th Place Team and 22nd Place Individual Spring 2019