

# Kelsea Conrad

## Software Engineer

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Software engineer with expertise in back-end and web development using Python, Flask, and MySQL. Draws on a teaching background to bring strong communication and project management skills. Experienced in building RESTful APIs, working with GraphQL, and managing SQL databases. Recognized for adaptability, teamwork, and delivering creative solutions.

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### Skills

**Languages:** JavaScript, HTML5, CSS3, Python

**Frameworks/Libraries:** React, Flask, SQLAlchemy, GraphQL

**Databases:** SQL

**Tools/DevOps:** Github, RESTful APIs, MySQL Workbench, PyCharm, VSCode, Swagger, JWT, Flask-Limiter, Flask-Caching, Docker, Render

**Certifications:** Coding Temple - Full Stack Software Engineer

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### Projects

**SideQuests – Fantasy-themed To-Do List Application (HTML5, CSS, Object-Oriented Programming, Command-Line Interface)**

[View Project](#) | [Github Repository](#)

- Built SideQuests, a fantasy-themed to-do list app, using HTML, CSS, and OOP principles, featuring a Quest Dashboard for visual task management and an intuitive, modular user experience.

**Library Management System – (Python, Object-Oriented Programming, Command-Line Interface)**

[Github Repository](#)

- Created a Library Management System using Python and OOP principles, featuring an intuitive Tkinter-based interface, sorting and search capabilities, data validation, and reporting tools for insights into borrowing trends.

**eCommerce Project API – API for an eCommerce system (Python, Flask, SQLAlchemy, MySQL, Marshmallow, JWT, Swagger UI, Github Actions and Render for CI/CD)**

[Github Repository](#)

- Developed a secure and scalable eCommerce API using Python, Flask, and MySQL, featuring JWT-based user authentication, CRUD operations, API documentation with Swagger UI, caching and rate limiting, schema validation with Marshmallow, and automated CI/CD with GitHub Actions and Render.

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### Experience

**High School English Teacher, English 2 PLC Lead: Dorchester School District 2, Katy ISD, Memphis City Schools, Flightline Charter Schools**

OCTOBER 2019 – PRESENT

- Developed a talent for breaking down complex concepts into digestible lessons, fostering a classroom environment where students could thrive and learn effectively.

**Software Engineer Trainee: Coding Temple | Remote**

MARCH 2024 - OCT 2024

- Completed a rigorous bootcamp focused on full-stack development, specializing in backend technologies while also gaining a solid grounding in front-end skills.

**Owner/Editor/Writer: Finally Creative | Online**

NOV 2017 - OCT 2019

- Founded a blog and editing business that introduced me to the world of SEO, content creation, and website design, blending creativity with technical expertise.

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### Education

**Coding Temple, Certificate - Software Engineering**

**Liberty University, M.A. Teaching (Graduated May 2020)**

**Harding University, B.A. General Studies (English, Graduated 2016)**