Kyle Schneider

Location: Denver, CO
kvschneider.com | LinkedIn | GitHub | Blog
Email: kylesch115@gmail.com | Mobile: 719-502-0701

Software Developer

As a results-oriented software developer with expertise in Python and JavaScript, I have a proven track record of developing robust and optimized solutions. I bring a background in math and science to my approach, resulting in rigorous research and organization. I have the ability to quantify the impact of my work, such as automating tasks through scripting to save time or enhance accuracy by implementing thorough testing. In addition to being a quick learner who is capable of working independently, my communication skills and ability to adapt allow me to work well in a team setting.

Technical Skills

JavaScript, React, Python, Flask, NumPy, Pandas, AWS, C/C++, HTML, CSS, PostgreSQL, JSON, REST APIs, GitHub, Bash/UNIX shell, VS Code

Projects

Chess Is Hard - GitHub - Demo - Live Site
Fully functional chess board game, includes castling, en passant capture, pawn promotion, and all win/draw scenarios.

- Created chess game logic from scratch in a back end created with Node JS
- Designed a clean and modern website using React
- Used AWS to host front end, deploy back end APIs, and store/manage data with database services

Experience

Earthview, Denver, CO May 2023 – Present
Software Engineer

- Created useful visuals in a React frontend dashboard to easily digest scientific data.
- Adhered to TypeScript linting rules in React and Node JS projects.
- Developed, improved, and tested Python functions using mathematics, physics, and chemistry
- Supported a web application using AWS services such as CloudFormation, Lambda, and DynamoDB

ChampionX, Boulder, CO January 2022 – September 2022
Data Analyst/Junior Flight Scientist

- Improved data analysis accuracy by implementing trapezoidal integration and removing temporal interpolation.
- Automated routine tasks such as detecting aircraft turns and identifying unnatural measurements with Python.
- Took initiative to collect and aggregate documentation for a revived project.
- Refactored and suggested new features to increase accuracy and usefulness of the 2000+ line Python data analysis code for aircraft measurement data.
- Developed and tested physics equations to calculate wind velocity during unmanned aircraft flight using gravity and aircraft motion.
- Led weekly science team meetings to present ongoing research and ensure alignment on project goals.

Education

Flatiron School, Remote January 2023 – April 2023
Full Stack Web Development, Python and JavaScript program

University of Colorado, Boulder, CO August 2017 – May 2021
Bachelor of Arts in Mathematics, magna cum laude
Bachelor of Arts in Physics