

Stan Choi

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Work Experience

Software Engineer I (Civis Analytics)

November 2021 - November 2022

Civis Analytics is a data-driven company that focuses on a data collaboration tool.

- Developed a robust data management web application using Agile Scrum methodology, proficiently working across the stack with React (JavaScript / TypeScript) and Ruby on Rails (Ruby).
- Ensured code maintainability by fully transitioning from the Ace Editor to Microsoft's Monaco Editor, improving data autocompletion and overall user interaction with the data query tool.
- Successfully migrated a major dependency of the frontend codebase, MaterialUI, to a significant major version, giving end users access to more features such as filtering and expanding data tables.
- Co-led user preference system update that resulted in more customizable notification settings after communicating with end users.
- Incorporated various Web APIs such as ResizeObserver API to enable better navigation of the user data platform.
- Modularized various business logic via usage of custom React hooks for future development.
- Reduced CI/CD pipeline test runtime by 10% through adherence to React Testing Library protocols.
- Streamlined backend logic by merging database query search and regular query API endpoints, enhancing user interactions in the query history pane.
- Worked on data management such as cleanup of corrupt and duplicate data in MySQL database, joining relevant data to perform efficient data retrieval.

Web Developer (Office of Economic and Manpower Analysis)

August 2020 - February 2021

- Leveraged Python's Flask web framework in order to convert the backend of cadets' class enrollment website from PHP to Python
- Followed Separation of Concerns (SoC) for the frontend of a cadets' class registry website using JavaScript's Vue 2 library to implement comprehensive mock designs.
- Optimized data analysis by converting Stata code to Python, utilizing Python scientific computing tools like NumPy and SciPy to efficiently manipulate and analyze cadets' scores, leading to more accurate grade calculations.

Projects

[earth-hero](#)

July 2023 - Present

- Working with React, Gatsby, and Firebase backend authentication logic to address navigational web features to help out the web side of a volunteer-led climate change initiative.

[positive-vibes-only](#)

August 2023 - Present

- Working on a full stack application with Java/SpringBoot, Maven, React, AWS RDS, AWS Comprehend & Elastic Beanstalk, Docker, PostgreSQL, CI/CD that lets users make a habit of tracking gratitude and action items in place of negative thinking.

Education

New York University

2015-2019

Bachelors in Computer Science

Skills

- **Certifications:** [AWS Certified Cloud Practitioner](#), [AWS Certified Solutions Architect – Associate](#), [Foundational C# with Microsoft](#)
- **Programming Languages:** JavaScript/HTML/CSS, TypeScript, Python, Java
- **Frameworks/Libraries:** React, Redux, SpringBoot, Ruby on Rails, Django
- **Databases:** MySQL, PostgreSQL
- **Methodologies:** Agile/Scrum
- **Tools/Technologies:** Docker, CI/CD, REST, Git Version Control