

Stan Choi

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Experience

Software Engineer I (*Civis Analytics*)

November 2021 - November 2022

- Fully migrated React codebase from usage of Ace Editor dependency to Microsoft's Monaco Editor, improving data autocompletion and IntelliSense in data query UI.
- Shifted away from usage of internal components library in the React codebase to MaterialUI v5, giving end users access to more features such as filtering and expanding data query results tables.
- Developed the User Notifications Settings Platform with Ruby on Rails, enabling customers to update their preferences on receiving emails upon successful completion of their Jupyter Notebook, Script, Workflow data aggregation statuses and alerting systems.
- Incorporated various Web APIs such as ResizeObserver API with React custom hooks to enable better user experience with responsive data query UI.
- Reduced CI/CD pipeline test runtime by 10% through adherence to React Testing Library protocols in order to ameliorate Agile Scrum SDLC experience between teams.
- Streamlined Ruby on Rails backend logic by merging database query search and regular query API endpoints, enhancing user interactions in the query history pane such as viewing filtered query runs.

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 in favor of Flask's minimalist approach.
- Followed Separation of Concerns (SoC) using JavaScript's Vue 2 library to implement comprehensive mock designs of cadet's registry website, potentially enabling cadets to enroll for classes more efficiently.
- 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.

[positive-vibes-trainer-analysis](#)

- Utilized Next.js 13, AWS Comprehend, OpenAI API, Prisma ORM, PlanetScale PostgreSQL DB to create a full stack web app that only allows users to post journal entries with positive sentiment score greater than 50%.

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](#)
- **Languages and Frameworks:** JavaScript (ES6), TypeScript, React, Node.js, Python, Java, SpringBoot, Ruby on Rails

- **Technologies:** PostgreSQL, MySQL, Docker, CI/CD (Travis CI, CircleCI, GitHub Actions), AWS (EC2, S3, Elastic Beanstalk, RDS)