

(512) 554-2504
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KYLE WEEKS

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Curious, self-driven developer, open source contributor, previously educator and Japanese translator. Love working with data and learning new things.

EMPLOYMENT

Full Stack Developer, CyberFortress; San Antonio, TX (Philadelphia) Mar 2020 - Present

- Wrote a sophisticated client data reporting app (*Flask*, *SQLAlchemy*, *Vue.js*) for our downtime insurance platform, which led to a contract with a major insurance company and our subsequent first product launch.
- Developed a resilient, scalable *GitOps* CI/CD pipeline (*GCP*, *K8s*) for our downtime insurance platform that enabled seamless deployment across multiple repositories, simplified rollbacks, and integrated version control.
- Created code and testing standards that enabled quicker team scalability (*Django REST framework*).
- Integrated our CI/CD pipeline into Slack (*Google Cloud Function*, *Slack API*) that enabled a single point of reference to development across multiple repositories and deployment environments.

English Instructor, Osaka City Board of Education; Osaka, Japan Apr 2014 - Feb 2020

- Taught public school students effective communication skills in English and cultural literacy.
- Planned/coordinated large, biannual events (600+ participants) with diverse team of instructors.

Japanese Translator, Ritsumeikan University; Kyoto, Japan Apr 2010 - Mar 2014

- Provided critical translation work on tight deadlines that required quickly learning advanced academic concepts.
- Boosted applicant numbers over 200% by singlehandedly by creating English site and social media presence.

PROJECTS

panner Django+Postgres+Redis-powered app that tracks friends' social media presence.
{'code': <https://github.com/kylepw/panner>}

- Created API wrappers to collect data from external RESTful APIs (Twitter, etc.) and mocks to speed up tests.

OPEN SOURCE/PUBLICATIONS

youtube-dl Added new extractor, code convention docs to embedded video download tool.
<https://github.com/search?q=repo:ytdl-org%2Fyoutube-dl+is:pr+author:kylepw+archived:false+is:merged>

- Added *Yahoo News* support by leveraging my *Brightcove* code and tracing obfuscated flow of HTTP requests.
- Streamlined sluggish PR contributions by adding code conventions based on maintainers' recurring PR comments.

Algorithms Added new algorithms/docs to popular repository of algorithm implementations.
<https://github.com/search?q=repo:TheAlgorithms/Python+is:pr+author:kylepw+archived:false+is:merged>

GitOps and multi-repo versioning (Medium)

Web Scraping in Python: Extract Embedded Videos Like a Boss (Medium)

SKILLS/CERTIFICATIONS

*nix, Django, data structures/algorithms, Slack API, GitOps, git, K8s, Python, SQL, Vue.js
Google Cloud Certified Associate Cloud Engineer (Jul 2020 - Jul 2022)
MongoDB Certified Developer - Associate Level (Nov 2019)

EDUCATION

Rutgers University, New Brunswick, NJ
BA, East Asian Studies 3.9 (Summa cum laude)

May 2008