

CHRISTOPHER DRUTA

Software Engineer

 [chris-does-cod.ing](https://github.com/chrisdruta)  github.com/chrisdruta

 Seattle, WA

 linkedin.com/in/chris-druta

SUMMARY

Looking for new opportunities to grow, learn, and share new technologies to solve complex problems. Interested and experienced in fullstack development (focused on back-end), devops, automation / tools, and UX.

Passions include math, music, and video games.

SKILLS

Languages: Python, TypeScript, JavaScript, Bash, Java, SQL, HTML5/CSS3, Go, C, C++

Technologies: Git, Docker, Kubernetes, Jenkins, Unix, Grafana, Prometheus.io, Node.js, Selenium, Pytest, Express.js, React.js, AWS (DynamoDB, S3, Lambda), HashiCorp Products

EXPERIENCE

10/2021 – present **Software Engineer II** Qualtrics, LLC

- Key owner & maintainer of python library package used across 100+ engineers
- Designed & implemented dead-letter handling with retries, alerting, & replay system for RabbitMQ + Redis based microservice by utilizing AWS S3 for persistent storage
- Proposed & led project successfully during hackathon, revamping tooling documentation via MkDocs to make code the source of truth for library APIs
- Optimized build-step across heavily utilized pipelines in CI/CD, reducing runtime and image size by more than 60% on average via docker layer caching and other means
- Hosted weekly office hours to help community with tooling & debugging local environment issues
- Handled complicated git merge issues & managed multiple code branches
- Updated development & deployment processes for legacy Java services (Spring Boot, Lombok, Maven)
- Took on security champion responsibilities, fixing compliance issues across QE organization
- Revamped weekly operations dashboard with "four golden signals" from the Google SRE playbook for ~20 different systems & reevaluated operational alerting thresholds to lower signal to noise
- Became community expert on Pytest while deeply customizing and revamping inner workings like syncing code syntax tree with remote TCM and custom markers of various functionalities
- Debugged Node.js services to uncover performance issues & memory leaks

7/2019 – 10/2021 **Software Engineer I** Qualtrics, LLC

- Expanded ETL reporting usage & adoption rate by integrating the onboarding experience with existing bootstrappers (50+ services) spanning many languages and tech stacks
- Evangelized functional & standardized OpenAPI (OASv3) documentation for 10+ services owned by team
- Designed, reviewed, & implemented different parts of a new in-house E2E testing framework using Pytest
- Setup continuous testing to alert on customer issues, which reduced TTD to just 10 minutes
- Collaborated with internal stakeholders by running pilots on engineering features and requirements
- Created a Node.js MITM service to proxy all E2E test traffic & capture/map external domains to different parts of the product as per business customer and TPM requirements
- Increased quality bar by implementing custom git hooks and scripts used by 100+ engineers to detect project-wide anti-patterns spanning multiple git repositories
- Member of API committee to review & evangelize best practices within organizations across the company
- Worked cross-functionally with internal teams to create report page in React.js for listing, tagging, & notifying APIs and their owners + callers

PROJECTS

Visit my personal website/github for more projects & stories on how I got intersted in them.

Tech: React, Rust, WebAssembly **Arithmusic** <https://chrisdruta.github.io/arithmusic/>
Make music (or laser sounds) with graphs & math!

Tech: React **Nimbus** <https://github.com/chrisdruta/nimbus/>
Unofficial lightweight SoundCloud client that feels like Spotify with *aesthetic* features.

EDUCATION

8/2015 – 5/2019 **Bachelor of Science - BS, Electrical and Computer Engineering** University of Arizona
Dean's List; Honors: Cum Laude

8/2017 – 5/2019 **Bachelor of Science - BS, Applied Mathematics** University of Arizona
Dean's List; Honors: Cum Laude

LANGUAGES

English - native, **Romanian** - limited working proficiency, **Spanish** - elementary proficiency