

CHRISTOPHER DRUTA

Software Engineer

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

 Seattle, WA

 linkedin.com/in/chris-druta

SUMMARY

Versatile, hands-on Software Engineer with a robust background in full-stack and back-end development, automation, and enhancing user experiences. Maintains expertise in a variety of programming languages and frameworks, with a special focus on optimizing backend functionalities and integrating user-centric design principles. Automates processes to improve efficiency and reliability. Passionate about solving complex problems and delivering high-quality applications that meet business needs.

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 – 4/2024 **Software Engineer II** Qualtrics, LLC - Seattle, WA

- Acted as the key owner & maintainer of a Python library package utilized by over 100 engineers
- Designed & implemented dead-letter handling system with retries, alerting, & replays for RabbitMQ + Redis based microservice. Leveraged AWS S3 for persistent storage
- Proposed & led a successful project during a hackathon by revamping tooling documentation via MkDocs to align library APIs with code as the source of truth
- Optimized build steps across heavily utilized CI/CD pipelines, which reduced buildtime and image size by more than 60% on average through Docker layer caching and other techniques
- Hosted weekly office hours to assist the community with tooling & debugging of local environment issues
- Updated development & deployment processes for legacy Java services (Spring Boot, Maven)
- Assumed security champion duties by addressing compliance issues across the QE organization
- Revamped weekly operations dashboards with "four golden signals" from the Google SRE playbook for ~20 different systems. Evaluated & improved operational alerting thresholds to minimize signal to noise
- Established expertise in Pytest by deeply customizing & revamping inner workings like syncing code syntax tree with remote TCM and custom markers for various functionalities
- Debugged & recommended enhancements to Node.js services, identifying and resolving performance issues & memory leaks

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

- Expanded ETL reporting usage & adoption rate by integrating the onboarding experience with over 100 services across multiple languages and tech stacks via bootstrappers
- 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
- Established 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
- Raised the 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
- Partnered cross-functionally with internal teams to create report page in React.js and GraphQL for listing, tagging, and notifying APIs and their owners + callers

PROJECTS

Tech: Next.js, Stripe, Tailwind, OpenAI, PostgreSQL **Stalled Gigs** <https://stalled.io/>
Search multiple social media platforms to find work going on around you powered by ChatGPT. Designed and implemented the UX, frontend, & backend.

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

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