

EXPERIENCE

Compass / | Senior Software Engineer, Tech Infra

Mar 2019 — Present

compass.com

Python, NodeJS, Java, Github, AWS, Docker, Docker Compose, Kubernetes, Datadog, Pagerduty, Jenkins, CircleCI, Artifactory, Npm Enterprise

- o Served as tech lead and program manager for the rollout of Datadog's Custom Metrics, APM, and Logs to 150+ services across 4 languages and 40 teams
- o Led a project team of 4 engineers for the migration of 400+ internal JS packages and 60+ Node services from NPM Enterprise to Artifactory over 2 months
- o Served as SPOA (single point of accountability) for the org's use of Artifactory as a cross language package repository, managing the evaluation, acquisition, billing, administration/governance, and org-wide rollout
- o Developed and evangelized POC of unit and integration testing workflows for both local development and CI/CD using Docker Compose, increasing the speed, frequency, and reliability of builds
- o Continually designed and implemented projects/enhancements/refactors to the org's Python ecosystem to: speed up iteration, decouple different teams' development cycles, untangle the monorepo, and enable the migration to Python 3

Software Engineer, DevEx/Tech Infra

May 2018 — Mar 2019

- o Introduced and evangelized Datadog to Compass; integrated APM into all Python and Node services, bringing observability to an entire layer of the stack that had none; initiated and helped close the deal to acquire Datadog as monitoring vendor
- o Started Product & Engineering mentorship program, matching 22 engineers and managers with mentors (including C-level executives) in the first cohort. Matched QA engineers with mentors that helped them transition into software development roles
- o Wrote interactive tutorial that teaches Docker best practices, reducing engineer onboarding time to Docker from weeks/months to <2 hours
- o Wrote automated provisioning system for Kubernetes clusters (built on kops), reducing time to spin up a production-ready cluster from days to <1 hour
- o Rewrote Kubernetes deploy system, reducing deploy time 20x and increasing deploy frequency 5x for the org

JW Player | Software Engineer

Feb 2016 — Apr 2018

jwplayer.com

Python, Java, Github, AWS, Locust.io, Flask, Swagger/OpenAPI, Celery, MySQL, PostgreSQL, Elasticsearch, Redis, Kafka, Kafka Connect, Docker, Docker Compose, Datadog, PagerDuty, Jenkins, Buildkite

- o Refactored and virtualized Recommendations stack using Docker; developed workflow for local development and integration testing using Docker Compose that other teams adopted
- o Made major contribution to large scale Recommendations API migration; used log replay tool to ensure that the new stack had 100% feature parity with the old stack
- o Wrote extensible functional test framework for Recommendations stack, getting team members to write tests
- o Benchmarked and performance tuned Recommendations' data pipeline; migrated stack from EC2 to Kubernetes
- o Automated Recommendations team's build/deployment pipeline, going from ad-hoc monthly deploys to continuous deployments multiple times a week with testing and fast rollbacks
- o Organized the on call rotation for 20+ engineer across 4 data teams; reorganized Recommendation team's monitors and runbooks

Dovetail | Associate Software Engineer

Jun 2014 — Feb 2016

fiserv.com (Acquired in 2017)

Java, Ant, Maven, Mockito, PowerMock, Jenkins

- o Helped migrate build tools from Ant to Maven
- o Worked on refactoring core framework from rest of the codebase
- o Helped develop a framework for testing company's core platform/library in isolation
- o Worked on extending functional test framework to support multi-day payments processing simulations
- o Routinely wrote unit/integration/functional tests for product code and set up Jenkins automation

EDUCATION

Rutgers University, New Brunswick

Sep 2009 — May 2013

Bachelor of Science - Physics, Minor in Computer Science

KTH - Royal Institute of Technology

Aug 2012 — Jan 2013

Erasmus Program (study abroad), Physics and Computer Science