

EXPERIENCE	<div><div><div>Meta Software Engineer meta.com Python, PyTorch, Tensorboard, Numpy, Buck, Chef, various internal technologies</div><div><ul style="list-style-type: none">Designed and built distributed ML diagnosis system using internal AirFlow-like platform, which ran on hundreds of training workflows daily, analyzing checkpoints up to 2.3TB in under 10m eachWrote tool to configure local IG webserver and Facebook webserver instances to point to each other, streamlining dev workflows for 500+ IG engineersUsed Chef to plan/provision/maintain a fleet of development servers running both IG and Facebook web servers, reducing setup time each morning by 30m for each IG engineerRan retros (using Retrium and Mural), weekly planning, and prioritization meetings for team to improve communication and collaborationOrganized biweekly Better Engineering days for the team to address tech debt and work on long-term efforts; organized zoom-based social activities and week-long quarterly offsites for team building and planning; compiled spreadsheet of 100+ offsite activities in the NYC area facilitating offsite planning for all teams with a NY presence</div></div><div><div>Compass / Senior Software Engineer, Tech Infra compass.com Python, NodeJS, Java, Github, AWS, Docker, Docker Compose, Kubernetes, Datadog, Pagerduty, Jenkins, CircleCI, Artifactory, Npm Enterprise</div><div><ul style="list-style-type: none">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 teamsLed 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 monthsServed 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 rolloutDeveloped 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 buildsContinually 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</div></div><div><div>Software Engineer, DevEx/Tech Infra</div><div><ul style="list-style-type: none">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 vendorStarted 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 rolesWrote interactive tutorial that teaches Docker best practices, reducing engineer onboarding time to Docker from weeks/months to <2 hoursWrote automated provisioning system for Kubernetes clusters (built on kops), reducing time to spin up a production-ready cluster from days to <1 hourRewrote Kubernetes deploy system, reducing deploy time 20x and increasing deploy frequency 5x for the org</div></div><div><div>JW Player Software Engineer 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</div><div><ul style="list-style-type: none">Refactored and virtualized Recommendations stack using Docker; developed workflow for local development and integration testing using Docker Compose that other teams adoptedMade 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 stackWrote extensible functional test framework for Recommendations stack, getting team members to write testsBenchmarked and performance tuned Recommendations' data pipeline; migrated stack from EC2 to KubernetesAutomated Recommendations team's build/deployment pipeline, going from ad-hoc monthly deploys to continuous deployments multiple times a week with testing and fast rollbacksOrganized the on call rotation for 20+ engineer across 4 data teams; reorganized Recommendation team's monitors and runbooks</div></div><div><div>Dovetail Associate Software Engineer fiserv.com (Acquired in 2017) Java, Ant, Maven, Mockito, PowerMock, Jenkins</div><div><ul style="list-style-type: none">Helped migrate build tools from Ant to MavenWorked on refactoring core framework from rest of the codebaseHelped develop a framework for testing company's core platform/library in isolationWorked on extending functional test framework to support multi-day payments processing simulationsRoutinely wrote unit/integration/functional tests for product code and set up Jenkins automation</div></div></div>
------------	--

EDUCATION	<div><div><div>Rutgers University, New Brunswick Bachelor of Science - Physics, Minor in Computer Science</div><div>Sep 2009 — May 2013</div></div><div><div>KTH - Royal Institute of Technology Erasmus Program (study abroad), Physics and Computer Science</div><div>Aug 2012 — Jan 2013</div></div></div>
-----------	---