

John Torrence

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Friendly and motivated software engineer with a background in physics and computer science. Adept at learning and applying new skills, documenting best practices, and working on teams.

Site Reliability Team Lead, Invitae Corporation, San Francisco, CA. September 2020 - Oct 2022

- Team lead supporting RUO analysis product, responsible for interviewing, hiring, and managing a team of 5 engineers.
- Set OKRs for the team, participated in business unit planning, set expectations and product development deadlines.
- Provided technical leadership for RUO product line, mentored junior developers, implemented training and onboarding plans.
- Worked closely with the customer success, web dev, and pipeline teams to find the root cause of issues reported by the customer.
- Assisted in design of analysis version 7 product – AWS batch with ECS, S3 + EFS storage backend, RDS.
- Designed a data migration pipeline from app version 6 to version 7 – python, bash, and salt.
- Created and maintained on-call schedule with Pagerduty in Terraform.

Site Reliability Engineer, ArcherDx Inc (acquired by Invitae Corporation), Boulder, CO. December 2019 - September 2020

- Deployed, maintained, and monitored next generation genetic analysis platform as it grew from dozens to hundreds of customers across the world.
- Create terraform modules, python scripts, debugging tools, and new features.
- Respond to outages, support customer requests.

Software Engineer, ArcherDx Inc, Boulder, CO. June 2018 - December 2019

- Custom python module development in Odoo ERP supporting Sales, Finance, and Logistics.
- Database administration with PostgreSQL on RDS.
- Infrastructure management in AWS EC2 and VMware.
- Project management with scrum.

Skills

- Team leadership, mentoring, interviewing candidates, training new hires.
- Python, Javascript, C++.
- Infrastructure as code with Terraform, AWS Cloudformation, SaltStack.
- CI/CD with Jenkins.
- Incident response, root cause analysis.
- Monitoring with New Relic, Grafana, Prometheus, AWS Cloudwatch

Education

University of Texas, Austin, TX — Full Stack Software Development Program

A three-month certificate program focusing on HTML5, CSS, JavaScript, jQuery, Node, Express, PostgreSQL, React, Git, Heroku, User Auth, and Computer Science Fundamentals.

Portland State University, Portland, OR — BS, Physics

Computational physics with Python and Matlab, Advanced Optics, Electron Microscopy.

Reed College, Portland, OR — Undergraduate

2 years credit in Physics Math and Computer science. Hands on nuclear reactor training.