

# ELEANOR MEHLENBACHER

Enthusiastic, action-oriented software engineer with 7+ years of experience in architecting and deploying infrastructure to support teams and product delivery.

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## EXPERIENCE

### PathAI, Boston, MA — Staff Software Engineer, SRE

MARCH 2023 - PRESENT

Project lead for migration of all product deployments from external PaaS to internal platform on self-managed EKS clusters, reducing infrastructure costs by >35% annually.

Core developer on internal application deployment platform, empowering product teams with standard abstractions for operationalizing infrastructure in AWS and Kubernetes.

### PathAI, Boston, MA — Senior Software Engineer, Product

FEBRUARY 2021 - MARCH 2023

Team lead of 5-person Clinical Trials infrastructure team; produced OKRs & roadmaps, facilitated Agile practices, operated as scrum master, coordinated projects across teams.

Established infrastructure deployment best practices, IaC configuration and tooling, operational visibility, and service-level metrics for greenfield Clinical Trials platform.

Improved slide-viewer load time by 84% and reduced S3 storage costs for slide files by 41% by building an optimized image-packaging library adopted by all PathAI products.

Developed CI/CD tooling for delivery of ML models to clinical production environments, including packaging, testing, and validation, reducing model integration time by 80%.

### PathAI, Boston, MA — Software Engineer, ML Operations

AUGUST 2018 - FEBRUARY 2021

Lead developer & product owner of web application that enables ML engineers to monitor workflow execution, track experiments, visualize results, and collaborate on findings.

Architected scalable and reliable ML infrastructure to support both cloud and on-prem compute clusters, with a focus on containerization and automation.

### Red Hat, New York, NY — Software Consultant

JULY 2016 - AUGUST 2018

Provided guidance to clients on industry-standard DevOps principles, containerized development in Red Hat OpenShift, and integration with automated CI/CD pipelines.

### Apple, Cupertino, CA — Intern, Information Systems & Technology

MAY 2015 - JULY 2015

### Goldman Sachs, New York, NY — Intern, UX Engineering

MAY 2014 - JULY 2014

## EDUCATION

### Duke University, Durham, NC — B.A. Computer Science and Music

AUGUST 2012 - MAY 2016

## SKILLS

**Languages & frameworks** – Python, Bash, SQL, Django, Celery, JavaScript, VueJS

**DevOps** – Helm, Terraform, AWS CDK, CloudFormation, Ansible, Git, GitLab, Jenkins

**Infrastructure** – Kubernetes, OpenShift, Docker, Argo, PostgreSQL, RabbitMQ, Kafka, Redis, AWS services (EC2, ECR, S3, VPC, IAM, etc.)

**Operations** – Datadog, ELK stack, Prometheus, Grafana

**Design patterns** – REST, MVC, microservices, pubsub, serverless, message queues

**Project management** – Jira, Agile methodology, staffing & hiring, OKR framework, milestone planning, KPIs, SLI/O/As

## AFFILIATIONS

**Regional co-chair** of Duke University Women's Forum

**Conference presenter** at DevOps World, Women Who Code, Merck Curious, Grace Hopper Celebration

**Member** of Duke Technology Scholars' Board of Mentors

**Soprano** in Boston's Chorus Pro Musica ensemble

## PERSONAL

Passionate about writing and playing music, hiking, video games, my two cats, squash, frisbee, crafting, reading.