Nishant Jha

Full stack Software Engineer

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EXPERIENCE

Calico Labs — *Senior Software Engineer*

Set best practices for frontend development. Reduced toil and increased efficiency in the vivarium through a video monitoring system for lab mice in collaboration with Jackson Labs.

Lattice Automation — *Senior Software Engineer*

Built core services for synthetic biology companies like Ginkgo Bioworks. Handled requirements gathering, architecture formulation, development, testing, and deployment as well as mentoring junior software engineers.

Broad Institute of MIT and Harvard — *Software Engineer*

Accelerated cancer research by building data analysis tools for the DepMap portal.

PROJECTS

Bits in Bio Static Site

A static site built with `Next.js` and `tailwindcss` deployed on App Engine that drives traffic towards the BiB slack community.

Cat Allergen Visualization — *Indoor Biotechnologies*

A publication companion built with `create-react-app` and `React Bootstrap` deployed on Github Pages that allows researchers to explore cat allergen CRISPR knockout data.

EDUCATION

University of Virginia, BA, MS— *Computer Science*

AUGUST 2014 - MAY 2018

SKILLS

`Python, TypeScript, Flask, React, AWS/GCP/Firebase`

PUBLICATIONS

Nature Genetics

A first-generation pediatric cancer dependency map

BLOG

Web App Architecture

How is nishantjha.org hosted?

Building a BLAST service

UI Mockups

A BLAST that's not from the past

My take on a code notebook