

# NEEL SHAH

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📍 Location: Mumbai, India

🌐 github.com/nilshah98

🌐 nilshah98.github.io

## EDUCATION

Bachelor of Technology

**KJ Somaiya College Of Engineering**

📅 Jun 2016 - Jul 2020

📍 Mumbai, India

- Major: Computer Engineering
- CGPA: 9.01/10

## EXPERIENCE

Senior Software Engineer

**Browserstack - Test Observability**

📅 Dec 2023 - Present

📍 Remote

- Member of Test Observability team, responsible for ingesting and analysing over a million test cases every day.
- Played with Apache Kafka and Elasticsearch to optimize data handling and processing tasks.
- Worked on other auxiliary features like onboarding workflow, build timeout scenarios among others.
- **Technologies:** Java, Apache Kafka, Elasticsearch, Ruby

Senior Software Engineer

**Browserstack - Percy**

📅 Sept 2021 - Dec 2023

📍 Remote

- Part of Visual Testing Platform team, responsible for over million webpage rendering, stabilization and screenshots across real terminals and mobile phones per day.
- Conducted in-depth exploration of web browser internals to enhance the capabilities of the Percy SDK for improved user web page capture.
- Simulated browser layout algorithm, to add support for layout based visual testing.
- Added support for real mobile phone browsers, viz - iPhone and Samsung S series using Appium.
- Re-architected infrastructure to async mode, to gain upto 2x efficiency and easier resource management.
- **Technologies:** Ruby, Python, Javascript, Sidekiq, Kubernetes

Software Engineer

**Morgan Stanley (Contract Worker)**

📅 May 2020 - Sept 2021

📍 Mumbai, India

- Created an Angular Dashboard for viewing reports, and using filters, pivot to evaluate and export data.
- Built ETL Pipelines using SQL and Pandas (Python3 library), to summarize large amounts of data and mail daily reports.
- **Technologies:** Angular, Python3, SQL

## VOLUNTEER

**Codecell**

📅 Jul 2017 - Jun 2019

📍 Mumbai, India

- Organized and conducted coding workshops & hackathons.

## PROJECTS

**Dis-Trie-Buted**

- Volunteer Computing Platform via Browser incentivized using Blockchain.
- Perform SIMD operations at scale across contributors and pay them proportionately.
- Use worker threads and customized scheduling algorithms for optimal processing.
- Get paid in ether commensurate with processing done and incentives offered.
- **Technologies:** Javascript, Solidity

**Game-Of-Engineering**

- In browser decision making game for freshers.
- Simulate each decision, and showcase outcome based on - time, acads, energy attributes.
- Created at a 24 hour hackathon
- **Technologies:** Javascript

**Briefly**

- Source based news in short.
- Subscribe to your own news source and get news in short.
- Webapp, as well as a chatbot.
- **Technologies:** Javascript, SASS, HTML, Python

**PassWorlds**

- Blockchain based trust-less password manager accessible using chrome extension
- Store and retrieve encrypted credentials over blockchain by using IPFS
- **Technologies:** Javascript, Solidity

## HONORS & AWARDS

2019 Finalist Smart India Hackathon  
2019 Winner KJSCE Bloombox Ideathon  
2018 Winner Mumbai Hackathon  
2018 51 on-site ACM ICPC 2018

## SKILLS

**Over 5000 lines-** Ruby, Python, Javascript  
**Over 1000 lines-** Java, SQL, Bash  
**Familiar-** Go, Kubernetes, Elasticsearch, SQL  
**Utilities-** Git, Ansible, \*nix Shell

## HOBBIES

Hiking & Cycling • Chess  
Reading books • Sketching  
Music & Podcasts • Movies & TV Shows • Organizing