

# Sharvil Parekh

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## PROFESSIONAL EXPERIENCE

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### **Nextdoor** – Senior Software Engineer - SEO, Search, Local Platform

Apr 2020 – Present

- Spearheaded the foundational work behind our SEO strategy by optimizing performance across all of our logged out pages, launching new SEO pages to enable the discovery of businesses on our platform, building data pipelines to power crosslinking, leveraging gen ai to surface new content, and introducing monitoring to understand the overall health of our pages
- Led multiple initiatives to improve the search experience for neighbors on our platform helping drive a 2s reduction in latency down to 1.5s and an 8% increase in overall clickthrough rate across multiple experiments
- Headed overseeing our Elasticsearch clusters, Golang microservices, and Kinesis pipelines as we underwent large data ingestions, data migrations, and cluster upgrades to ensure reliability, scalability, and performance of our search infrastructure
- Operationalized our search infrastructure to launch features such as hashtag feed, navigational queries in autocomplete, and new verticals in our global search bar leading to a 50% increase in search volume
- Built apis and data models for a service that housed non-homogeneous business information from weekly partner imports and organic sign ups to support entity resolution for tens of millions of businesses on our platform
- Mentored and upleveled junior engineers by reviewing ERDs, PRs, and hosting knowledge sharing sessions

### *Software Engineering Intern - Local Platform*

May 2019 – Aug 2019

- Overhauled the business page search tool to increase efficiency of ops team by 300% using Golang to dynamically generate Elasticsearch queries
- Built a webhook to capture refunds and persist a log of transactions for customers using Stripe's API

### *Software Engineering Intern - Data Engineering*

Sept 2018 – Dec 2018

- Built a low latency microservice in Golang to resurface data stored in redis data lakes to production across multiple regions using ECS supporting throughputs of 500k requests per minute

### **Amazon** – Software Development Engineering Intern - Kingpin

May 2018 – Aug 2018

- Established architecture for notifications and daily digest emails for business productivity application used by over 14k employees and 3400 teams, at Amazon
- Utilized Lambda, SQS, DynamoDB, S3, and SES to introduce a fully serverless notification architecture

### **Whisker Labs** – Software Engineering Intern

May 2017 – Aug 2017

- Designed serverless architecture to enable data transfer from energy monitoring devices to a data warehouse using Lambda

## EDUCATION

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### **University of Maryland, College Park**

Aug 2016 – Dec 2019

B.S. Computer Science, Minor in Technology Entrepreneurship

## PROJECTS

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**Cashd** – Built a cross-platform Electron application to organize, view, and interact with cached web pages. Designed fast full-text search across a large corpus of webpages using a JavaScript variant of Solr.

**Terp Wash** – Published an Alexa skill using BS4 and Lambda to allow students at UMD to check the status of laundry machines in their dorms.

**Phillips IoT** – Designed an IoT device to monitor temperature and humidity in art exhibits at the Phillips Collection in Washington DC using a Raspberry Pi Zero. Created accompanying real-time dashboard using Adafruit IO and Node.js.

## LEADERSHIP

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### **Bitcamp** – Tech Organizer

Managed tech and judged submissions for the largest student-run hackathon on the east coast, with over 1300 participants.

### **Startup Shell** – Development Fellow

Provided technical insight and expertise to ventures in University of Maryland's student led incubator for student led startups.

### **Phi Chi Theta** – Alumni Chair

Maintained relations and drove engagement between current members and over hundreds of active alumni.

## SKILLS

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**Languages:** Python, Golang, Java, SQL **Frameworks/Tools:** Git, ElasticSearch, DynamoDB, S3, Lambda, SQS/SNS, Kinesis