Sharvil Parekh

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EDUCATION

University of Maryland, College Park   *Aug 2016 - Dec 2019*

B.S. Computer Science, Minor in Technology Entrepreneurship

PROFESSIONAL EXPERIENCE

Nextdoor – *Software Engineer*   *April 2020 - Present*

Software Engineering Intern   *May 2019 – August 2019*

- Overhauled 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 API

Software Engineering Intern   *Sept 2018 – Dec 2018*

- Launched a low latency microservice in Golang to resurface data stored in redis data lakes to production across multiple regions using ECS
- Created a client-side library in Python supporting peak throughputs of 3M requests per minute

Amazon – *Software Development Engineering Intern*   *May 2018 – August 2018*

- Established architecture for notifications and daily digest emails for business productivity application used by over 14k employees and 3400 teams at Amazon
- Introduced serverless architecture in Python using Lambda, SQS, DynamoDB, S3, and SES

Whisker Labs – *Software Engineering Intern*   *May 2017 – August 2017*

- Designed serverless architecture to enable cloud to cloud data transfer from energy monitoring devices to data warehouse using Lambda
- Wrote a Groovy application to capture data from SmartThings metering outlets to use in data science models
- Initiated the development of a Slack Bot to allow employees to subscribe to updates for an embedded device's lifecycle in field testing using Lambda, API Gateway, S3, and Slack RTM

PROJECTS

Cashd – Built a cross-platform Electron application to organize, view, and interact with cached webpages. 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 easily 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.

Cardr – Pitched an online e-wallet for business cards. Developed a web application using Node.js and used Google Cloud Vision to automatically parse relevant information when importing business cards.

LEADERSHIP

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*

Student led incubator for student led startups at the University of Maryland

Phi Chi Theta – *Alumni Chair*

Professional Business Fraternity

SKILLS

Languages: Python, Java, Golang, JavaScript, SQL

Frameworks/Tools: Git, Lambda, SQS/SNS, S3, DynamoDB, ElasticSearch, CloudFormation, Flask