Sahil Kapur

software engineering, econ, and golf

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experience

Amazon | Incoming Software Engr Intern (2021)

Sym | Freelance Web Developer (2020)
- Collaborated with engineering team to rebuild company website in React (https://symops.com)

HeadSpin | Software Engr Intern (2020)
- Architected and built **SWAT** (sales weekly app tracker) using React.js, Node.js, Python, and SQL
- SWAT dashboard aggregates worldwide usage data of major mobile apps into **actionable visualizations** for sales/marketing to drive leads

Prudential Financial | Software Engr Intern (2019)
- Implemented **microservice monitoring** application
- Tracks health metrics/downtime of 800 API services and updates health on **live status page**

notable projects

Ultron | Intent-based voice assistant (2020)
- Developed cloud-based **Node.js system** that controls lights, tracks workouts, and automates a majority of my **CI/CD pipelines** for project builds
- Built **customized NLP service** to parse intents
- Service runs on Siri, Alexa, Google, and uses **React.js** for web interface

Cratus | API performance tracking (2019)
- Created and deployed **AWS production-ready** API endpoints written in **Golang, Node.js, Python,** and **Java**
- Developed **analysis system** to measure execution speed, memory usage, and scalability of endpoints in each language
- Automated **verbose test reports** for performance comparison of each endpoint

ThinkTwice | Better alternatives to blowing cash (2019)
- JS-based web app for users to view philanthropic alternatives to blowing cash
- Received **3rd place Product of the Day** on Product Hunt with over 8,000 pageviews in 2 days

education

Purdue University
B.S. Computer Science, Economics Minor
Graduation: May 2022
GPA: 3.71

Harker High School
Societies: Varsity Golf, Red Cross, DECA
GPA: 3.98

involvement

Delta Mu Kappa | President (2020)
- Lead planning/development of Purdue's co-ed **entrepreneurship fraternity** (50+ members)
- Focused on building community of makers in the Midwest

MIT Launch | Participant
- Created platform for high schoolers to find unique volunteering events
- Developed in MIT incubator

First Tee | Golf Coach ('15 - '18)
Share my love of the game with economically and culturally diverse grade-school students

skills

Languages: JavaScript, Java, C/C++, Python3, Golang, SQL

Frameworks: React, Express, Node, Flask, Spring boot, MongoDB, MySQL

Technologies: AWS, bash, git, Apache, Docker, Nginx, Gunicorn, Google Cloud, REST APIs

Other: Data structures, Figma, Linux OS, NLP, Raspberry Pi