

Kashish Patel

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EDUCATION

Duke University

B.S. in Computer Science, Minors in Finance & Decision Sciences

Aug. 2015 - Dec. 2018

SKILLS

Programming Languages: Python, Java, JavaScript, Ruby, Go

Frameworks & Libraries: Spring Boot, Node.js, Flask, Express, Ruby on Rails, Angular, React

Infrastructure: AWS, Linux, Docker, Kubernetes, Apache Kafka, PostgreSQL, MongoDB

EMPLOYMENT

Bridgewater Associates, Product Integration Engineer

Feb. 2019 - Oct. 2019

- Product Engineer for investment research platform used firmwide to develop and systematize strategy of hedge fund.
- Optimized investment logic engineering workflows and enhanced usability of Scala-based domain-specific language.
- Oversaw reorganization of computing platform with 200 AWS EC2 instances to reduce costs and wasted resources.
- Left voluntarily due to role not aligning with long term career goals. Non-compete agreement until June 2020.
- Subsequent Software Engineering offer rescinded due to COVID-19.

GE Digital (GE Healthcare), Software Engineering Intern, Backend

May 2018 - Aug. 2018

- Backend Engineer within Remote Services Technology org which enables remote monitoring, accessing, and repairing of CT and MRI machines in use at hospitals & medical facilities.
- Developed Java Spring Boot microservices used to query analytics data store and retrieve stored records for analysis.
- Architected and implemented execution method for Analytics Execution Platform using Python, Docker, & ZeroMQ to speed up multiple executions of the same analytics functions by 78%.

In-Video Impressions, Software Engineering Intern, Full Stack

Aug. 2017 - Dec. 2017

- Built Full Stack Web Application for acquired advertising technology startup to target ads at individuals based on video viewing patterns.
- Application led to increased advertisement Click Through Rates by up to 5.1x and View Rates by 3.7x for clients.
- Demo of application led to acquisition of accumulated rights to videos with over 5 billion combined views and deals with clients including Duke Basketball, a Fortune 15 tech company, and prominent wellness companies.

Daylight Data Consulting, Software Development Intern

May 2017 - Aug. 2017

- Worked with several startups to create microservices in Go and mobile applications based on business needs.

Duke University - Fuqua School of Business, Teaching Assistant

July 2018 - Sept. 2018

- Teaching assistant for Data Infrastructure course with ~250 students using SQL, Python (pandas), and R for Business Analytics in the Master of Quantitative Management program.

SELECTED PROJECTS

Robinhood Trading Bot: Developed trading bot in Python that executes trades on Robinhood based on strategies backtested on Quantopian.

Robinhood Quick View: Command line tool built in Go to quickly view current positions, open & fulfilled trades.

IOU Money Tracker: Web app created using React and Ruby on Rails to accurately track lending and borrowing between friends.

Is This Port Open?: Web app to check your external IP address and detect open ports on your connection.

HardSub OCR: Command line tool built in Python using Machine Learning to extract hard-coded subtitles from video files and output them as a text file.