Shyam Kotak

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Education

- **Georgia Institute of Technology.**   **Atlanta, Georgia**
  Online Master of Science in Computer Science   *In Progress*
  - Machine Learning Specialization
  - Relevant Coursework: Artificial Intelligence, Machine Learning for Trading, Big Data for Health Informatics, Knowledge-Based AI, Software Architecture and Design.
  - Cumulative GPA: 3.80/4.00

- **Case Western Reserve University**   **Cleveland, Ohio**
  Bachelor of Science in Computer Science   *May 2017*
  - Minors: Artificial Intelligence & Biology
  - Cumulative GPA: 3.90/4.00

Skills

Python • JavaScript (React, Node) • Java • HTML/CSS • SQL • Docker/Kubernetes • Google Cloud

Experience

- **BrightEdge**   **Cleveland, Ohio**
  Software Engineer   *2019-Present*
  - Full-stack engineer for the leading SaaS SEO Platform specializing in Python and JavaScript.
  - Secured $1M+ in contracts by launching "BrightEdge Daily Pulse," an application helping customers track daily movement of important SEO keywords developed using Python, Django, React, Looker, and BigQuery.
  - Uncovered unique insights for customers by processing 100+ GB of logs/day fully serverless on Google Cloud with Python3, Terraform, Looker, and BigQuery. Built both [products](#) that headlined Brightedge's Share20 conference.
  - Saved 50% on costs, improved peak runtime by 20%, and reduced system startup time by 600% by migrating workloads from dynamically generated AWS EC2 boxes to auto-scaling Celery workers on Kubernetes using Python3 and Helm.
  - Maintained "Collections Framework," an internal data collection platform built with Python, Django, Celery, Hadoop, and Impala. Improved processes from requiring weekend intervention to automated with a 99.99% collection success rate.
  - Developed "Reporting Dashboards," a suite of internal Looker dashboards leveraging data in BigQuery. Dashboards created include reporting on customer feature usage, weekly data collections monitoring, and GCP cost tracking.
  - Built "Content Advisor," a tool for customers to generate content ideas using Node, Express, React, and CloudSQL.
  - Helped grow the BrightEdge Cleveland R&D office from 2 to 10+ members. Onboarded and mentored engineers, performed code reviews, and interviewed potential hires for technical capabilities and cultural fit.

- **IBM Watson Commerce**   **Columbus, Ohio**
  Software Engineer   *2017-2019*
  - Full-stack developer for a B2B file transfer service transmitting and translating 3.5M docs/day.
  - Lead releases from design and development in Java to deployment in production.
  - Team lead for the organization-wide project to transition infrastructure from servers to microservices using Docker, Ansible, Kubernetes.
  - Developed a weather chatbot proof of concept for the Weather Channel using Python.

- **CLK Technologies**   **Cleveland, Ohio**
  Cofounder   *2016-2017*
  - Collaborated with businesses to develop technical solutions that satisfy client needs.
  - Built a NYC based client's web application using Python, JavaScript, HTML, and CSS.
  - Launched RentIQ, a web-based property management tool built using Python, JavaScript, HTML, and CSS