Vikash Deo

vkd225@nyu.edu | (347-545-6457)

GitHub: vkd225
https://vkd225.github.io/

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, R
Web Technologies: Python Flask, Node JS, React, Redux, React Native, Redis, Angular 2, Invision
Databases and Pipeline: SQL, MySQL, PostgreSQL, SQLite, MongoDB, Databricks, Kafka
Tools Used: Terraform, AWS, GCP, Jenkins, Docker, GitHub

INDUSTRIAL EXPERIENCE

Software Applications Engineer, Strong Arm Technologies   **Dec 2017 – Present**
  - Architecting and implementing client facing dashboards and REST APIs to serve processed data.
  - Develop screens and backend apis for the Smart Dock (FUSE), a react native/ android app.
  - Build the data pipeline to upload, ingest, process and analyze the data from IOT devices.
  - Manage and deploy infrastructure with Terraform to the build services.
  React JS, React Native, Python, Databricks, Redis, Kafka, Node JS, AWS, MySQL, Terraform, Git, PubNub, Jenkins

Software Engineer, Tricon Infotech LLC   **Feb 2017 – Nov 2017**
  - Developed a platform where you can drag and drop widgets to create official documents like newsletters.
  - Built and maintained infrastructure to handle continuous deployment for offsite software developers.
  React JS, MobX, Express JS, Python, AWS, MongoDB, Github

Research & Development Intern, Intersection Co.   **Jun 2016 – Dec 2016**
  - Created an SMS based chatbot to help visitors find their way around the new Hudson Yards neighborhoods in NYC.
  - Worked on grocery items identification and localization in a shopping cart for Walmart to reduce checkout time
  OpenCV, Python NLTK, TensorFlow, GCP, Twilio, AdaBoost algorithm

INDUSTRIAL AND PERSONAL PROJECTS

An online game to kill moving viruses: Passion Project Play here   **Current**
   An online game to kill moving viruses and compete against friends on leaderboard.
  Tools Used: React, Redux, Typescript, P5 JS, Python, AWS

External client facing platforms and dashboards: StrongArm Technologies   **Current**
  Built an athlete roster management platform for clients to manage their roster using microservice architecture. DEMO
  Created and deployed a dashboard for client onboarding and for potential clients and investors to showcase proactive
  insights and real-time feedback to improve engagement of industrial athletes - DEMO
  Tools Used: React, Redux, Angular 2, Typescript, Highchart JS, Python, AWS

On Dock engagement for Industrial Athletes, StrongArm Technologies   **Mar 2018 – Jan 2020**
  Front-end and Back-end services for Industrial Athletes to engage with the smart Dock to use FUSE Risk management
  platform. Helps them to understand and increase knowledge on how to be safe in working environment.
  Tools Used: React Native, Python, React JS, Typescript, Android, UXCam

Infrastructure as a Code and CI/CD Pipeline: StrongArm Technologies   **May 2019 - Current**
  Write terraform code to create, deploy AWS infrastructure and also build Jenkins Pipeline and create data pipeline.
  Tools Used: Python, Databricks, Terraform, Vault, Docker, Jenkins, Github

Gamify Real Time Safety Score for Client Bootcamps: StrongArm Technologies   **Feb 2019 - May 2019**
  Gamify how athletes lift and gave real-time Safety Score for players. Developed a leaderboard to show top 20 players.
  Tools Used: React JS, React Native, Typescript, MySQL, PubNub, Python

Alexa Skill to give Company Information, Tricon Infotech LLC - DEMO   **Jun 2017 – Jul 2017**
  Built an Alexa skill for a hackathon with intents and utterances to act as a receptionist. First prize winner.
  Tools Used: Python FlaskAsk, ngrok, React JS, Twilio API

EDUCATION

New York University, New York, NY   **Dec 2016**
  M.S. in Computer Engineering