**Vikash Deo**

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**TECHNICAL SKILLS**

**Languages:** Python, JavaScript, TypeScript, PySpark

**Web Technologies:** Python Flask, Node JS, React, Redux, React Native, Redis, Angular 2, Invision

**Databases and Pipeline:** SQL, MySQL, PostgreSQL, SQLite, Big Query, MongoDB, Databricks, Kinesis

**Infrastructure:** Terraform, AWS, GCP, Jenkins, Docker, GitHub

**INDUSTRIAL EXPERIENCE**

**Senior Software Engineer, Strong Arm Technologies Mar 2020 – Present**

-Acted as a tech lead on various projects for remote developers (nearly 10 team members) working on the web application ([FUSE Platform](https://walmart.prod.strongarmtech.com/)) and mobile application.

- Defined technical architectures and evaluated various design patterns to build a scalable web application used by 10,000 users.

- Rearchitected to build existing mobile application and decreased the fatal errors by 350%.

**Jira, Confluence, Jenkins, Kinesis, React JS, React Native, Redux, Python, AWS, Github**

**Software Engineer, Strong Arm Technologies Dec 2017 – Mar 2020**

**-** Architected and implemented client facing dashboards and REST APIs to serve processed data.

**-** Developed UI screens and backend APIs for the Smart Dock (FUSE), a react native android app.

**-** CreatedFront-end and Back-end services for Industrial Athletes to engage with the smart Dock.

**-** Managed and deployed infrastructure as a code using 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**

**Realtime Events streaming: StrongArm Tech Nov 2020 – Mar 2021**

Ingested events from IOT system into Databricks Delta tables and Big Query using Kinesis data streams.

**Tools Used:** PySpark, Typescript, Java, AWS, Kinesis, Databricks, Big Query

**An online game to kill moving viruses: Personal Project:** [**Play here**](https://game.vikash.dev/) **May 2020 – June 2020**

An online game to kill moving viruses and compete against friends on leaderboard.

**Tools Used:** React, Redux, Typescript, P5 JS, Python, AWS

**Gamify real time safety score for client onboarding: StrongArm Tech Feb 2019 – May 2019**

Gamified how users lifts 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

**External client facing platforms and dashboards: StrongArm Tech -** [**Demo**](http://v5demo.strongarmtech.com/) **Mar 2017 – June 2017**

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.

**Tools Used:** React, Redux, Angular 2, Typescript, Highchart JS, Python, AWS

**Alexa Skill to give company information, Tricon Infotech LLC -** [**Demo**](https://www.youtube.com/watch?v=6WASpADS3mk) **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**

**M.S. in Computer Engineering - NYU, Tandon School of Engineering, New York Dec 2016**