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) 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.
- Created Front-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   **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   **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   **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**