# Vikash Deo

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## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, R, HTML, CSS
**Web Technologies:** Python (Flask; Flask Admin), Node JS, React JS, React Native, Angular 2, Bootstrap, Material UI
**Databases:** SQL, MySQL, PostgreSQL, SQLite, MongoDB, influxDB
**Tools Used:** Terraform, Python (NLTK; Pandas; Matplotlib), AWS, GCP, Jenkins, Docker, GitHub
**IDEs**: Visual Studio, Android Studio, PyCharm

## INDUSTRIAL EXPERIENCE

**Full Stack Developer, Strong Arm Technologies**                    **Dec 17 – Present**
- Architect and develop the front end for the dashboard and the tablet (smart Dock) of the FUSE product
- Develop scalable and fault tolerant backend services and resolve software bugs in production.
- Integrate tools like UXCam, Crashlytics to the react native/ android app and find actionable insights.
- Manage infrastructure with Terraform / Vault and deploy the build services in the AWS infrastructure.
**React, React Native, Angular 2, Python, Node JS, AWS, MySQL, Terraform, Git, PubNub, Jenkins, Invision**

**Software Engineer, Tricon Infotech LLC**                    **Feb 17 – Nov 17**
- Develop an in-house microservices based platform which solves the publishing needs for an organization.
- Write Production code for the Front End based on UI wireframes, user stories and have code-review.
- Follow Scrum Framework for Agile Software Development. **React JS, MobX, Express JS, AWS, MongoDB, Git**

**Research & Development Intern, Intersection Co.**                    **Jun 16 – Dec 16**
- Worked in a team of ML engineers to develop POCs and rapid prototype of different ideas and projects involving ML algorithms and applications based on client needs. **OpenCV, Python, TensorFlow, GCP**

## INDUSTRIAL AND ACADEMIC PROJECTS

**On Dock engagement for Industrial Athletes, StrongArm Technologies**                    **Mar 18 – Present**
Front-end and Back-end for Industrial Athletes to engage with the smart Dock to use FUSE Risk management platform which helps them to understand and increase knowledge on how to be safe on working environment
**Tools Used:** React Native, Python, React JS, Typescript, Android, UXCam

**Infrastructure as a Code and CI/CD Pipeline: StrongArm Technologies**                    **May 19 - Present**
For StrongArm AWS Infrastructure, write code to fast deploy or destroy infrastructure and Build Jenkins Pipeline.
**Tools Used:** Python, Terraform, Vault, Docker, Jenkins, Github

**Gamify Real time Safety Score for Client Bootcamps: StrongArm Technologies**                    **Feb 19 - May 19**
Gamify how athletes lift and give a real-time Safety Score for players. Also created a leaderboard for top 20 players.
**Tools Used:** React JS, React Native, Typescript, MySQL, PubNub, Python

**External client facing dashboard: Demo Link, StrongArm Technologies**                    **Feb 18 – May 18**
Created a dashboard for clients which provides proactive insights on how safe their workers in are real-time and can deliver that feedback directly to Industrial Athletes to improve compliance.
**Tools Used:** Angular 2, Typescript, Highchart JS, Python

**Alexa Skill to give company Information, Tricon Infotech LLC**                    **Jun 17 – Jul 17**
Built an Alexa skill for Amazon Echo simulator with multiple intents and utterances to give out the company's information and integrate it with company's website for internal **hackathon**. First prize winner.
**Tools Used:** Python FlaskAsk, ngrok, React JS, Twilio API

## EDUCATION

**NYU, Tandon School of Engineering, New York, NY**                    **Dec 2016**
**M.S. in Computer Engineering**
- **Relevant Coursework**: Big Data Analytics, Advanced Database, Datacenter & Cloud Computing, Network Security

**Indian Institute of Information Technology, Allahabad, India**                    **Jun 2013**
**Bachelors of Technology (B.Tech) in Electronics and Communication**