Vikash Deo

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

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
Bachelors of Technology (B.Tech) in Electronics and Communication

Jun 2013