

WORK
EXPERIENCE

Conduent(erstwhile Xerox)

Albany, NY

Software Development Team Lead

September 2017 - Present

- Planned and guided a small distributed agile team to build & deliver a minimum viable product for a new business within three months
- Containerized NodeJS & Python applications using Docker and demonstrated CI & CD using Kubernetes and Openshift to show the need for a PaaS
- Compared and validated Elasticsearch with Gemfire for various business-use cases to help save money by investing in the right tool
- Advocated for Test Driven Development and demonstrated it in Python, ReactJS, & HapiJS via code sessions

Conduent

Albany, NY

Senior Software Developer

July 2015 - August 2017

- Built data pipelines using Kafka as a centralized messaging platform to process data in almost real-time reliably and efficiently
- Created an event-driven micro service framework using Python, enabling developers to set up a working application within hours as a Kafka-consumer or a Restful API within hours
- Built a Kafka tool to monitor and inspect messages on Kafka Topics, enabling Kafka Consumer debugging easier for developers
- Created a continuous integration and deployment pipeline using Gitlab CI, Docker, and Ansible scripts, facilitating frequent and zero-downtime releases

pak-track.com

Rochester, NY

Lead Software Developer

January 2013 - 2015

- Implemented a real-time distributed data processing server using Python, Celery, and Python Tornado framework, increasing customer usability by providing real-time vibration & shock data
- Developed a model for predicting drop-height and face-of-impact using machine learning technics
- Worked with Java, netty.io, Protocol Buffer, MongoDB, MySQL, JavaScript, d3.js, AWS, and Celery

CausBuzz: Parental Engagement

Rochester, NY

Co-founder & Lead Developer

September 2012 - 2016

- Side project with two friends. Beta version had 3 schools and 1000 parents registration
- Worked with Sass, Bootstrap, AngularJS, NodeJS, Laravel, MySQL, MongoDB, and AWS
- Built backend infrastructure to dispatch email, SMS, and push notification real-time

EDUCATION

Master of Science in Information Technology

Rochester Institute of Technology

2011 - 2016

- Full Scholarship with Graduate Assistantship

OTHER
PROJECTS

- Twitter sentiment analysis, friends-of-friends recommendation, recommendation engine using collaborative filtering and few other data analyses projects; <https://github.com/saran87/machinelearning>
- Built a lightweight MVC framework for PHP and developed a two-player game using it; [Check game arcade](#)

UNIVERSITY
ACTIVITIES

RIT 48 (48 hours to launch a web startup)

March 2012

RIT 48 (48 hours to launch a web startup) March 2012 Won the competition with an idea of increasing volunteer engagement with incentives from local businesses, which later matured into the startup, [CausBuzz](#)