

DHRUV ISHPUNIANI

M.Sc in Computer Science

Contact

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Skills and Technologies

Languages

- JAVA
- C++
- Python
- JavaScript

Frameworks

- Ruby on Rails
- Sprint Boot
- Spring Batch
- Spring MVC
- JUnit
- Elasticsearch
- Logstash
- Kibana
- Apache Lucene
- Django
- Flask

Databases

- PostgreSQL
- Oracle
- MongoDB

Machine/Deep Learning

- TensorFlow
- Keras
- OpenCV
- OpenPose
- NumPy
- Pandas

Tools

- Git
- AWS
- Maven
- Gradle
- Jenkins

Education

TRINITY COLLEGE DUBLIN
THE UNIVERSITY OF DUBLIN, 2019-2020

M.Sc in Computer Science - Intelligent Systems

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
DELHI UNIVERSITY, 2012-2016

B.E. in Information Technology

Volunteer Experience

Volunteered in the project "Farm to Folk" as a member of Enactus NSIT. We were able to build strong, cooperative relationships between and amongst producers and consumers. We helped hundreds of families in suburban Delhi by providing a fair income to the local farmers and meeting the healthy food needs of local consumers.

Work Experience

PROJECT YX - SOFTWARE ENGINEER

JANUARY 2018 - JULY 2019

- Delivered high-end luxury wardrobe management services by being a member of the core engineering team at the US based start-up.
- Developed end-to-end, a myriad of core modules and components primarily using JavaScript, Ruby on Rails and Spring Framework.
- Guided two interns by being their Technical Mentor.
- Awarded with ESOPs for saving thousands of man hours of the operations team by:
 - Devising a solution, "Smart Scan", to scan and parse client's order emails and load the order information into their digital closet using *Java*, *Spring Boot* and *Ruby on Rails*.
 - Architecting a scalable solution, "Auto Order", to place orders automatically at the luxury e-commerce portal "Farfetch" using the Farfetch API.
 - Designing services to update shipment information from carriers like DHL, FedEx, UPS and USPS using the EasyPost tracking API.
- Secured a million dollar investment for the organisation by:
 - Doubling conversions for a US based exclusive luxury multi-brand retailer "The Webster" by building an automated ad campaign management framework for Google as well as Bing in *Java*.
 - Reducing the page load time of "The Webster" by 60% by refactoring and optimizing the existing code which was in *PHP*.

BHARTI AIRTEL - SOFTWARE ENGINEER

JULY 2017 - DECEMBER 2017

- Developed a portal through which numerous international clients performed transactions online, which were earlier offline, saving thousands of dollars and tons of paperwork using *Spring Boot*, *Java* and *MongoDB*.
- Saved hundreds of man hours of the DevOps team by developing a framework to monitor various metrics such as API hit count, average time taken which are observed throughout the user journey using the *ElasticSearch*, *Logstash*, *Kibana (ELK)* stack.

NEXTAG - SOFTWARE ENGINEER

JULY 2016 - JUNE 2017

- Imported millions of products into the distributed database (*Hadoop HBase*) on a daily basis using big data technologies like *Apache Storm*, *Apache Kafka* and *Hadoop MapReduce*.
- Optimized the existing "import" module by refactoring multiple *Spring Batch* jobs to decrease the time taken by 40%.

Academic Projects

Ongoing

- Generating ambisonics using audio-visual cues for virtual reality (Dissertation Topic) at Trinity College Dublin using deep learning.

Completed

- Generated skeletal models of football players from live footage using *OpenPose* and *OpenCV*.
- Conceived a map-centric decision-support dashboard for city managers and city service providers to optimise mobility and service delivery in the city of Dublin, Ireland using *Django* framework.
- Conceptualized a blind dating web application focusing on the user's personality instead of pictures using *flask*.
- Developed a novel visualization technique (Circle Wave) to visualize data correlation using *D3.js*.