

# Aditya Jadhav

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## EDUCATION

### ILLINOIS INSTITUTE OF TECHNOLOGY

MASTERS IN COMPUTER SCIENCE  
August 2016 - May 2018  
Chicago, IL

## LINKS

LinkedIn:// [adityajadhav](#)  
Github:// [adityajadhav](#)  
Devpost:// [adityajadhav](#)

## PUBLICATION

Mining and Assurance Service Model  
using Hadoop in Cloud

## SKILLS

### PROGRAMMING

Scala • Java • JavaScript  
Apache Pekko • Spring Boot  
Actor • MongoDB • MySQL  
Android • NoSQL • Shell  
Hadoop • Spark • Python

### TECHNOLOGIES & TOOLS

AWS • Google Cloud • Azure  
Linux • Agile/Scrum • Jira  
Maven • Gradle • Docker  
Jenkins • Git

## EXPERIENCE

### CATERPILLAR INC. | LEAD SOFTWARE ENGINEER

Sept 2019 – Present | Chicago, IL

- Develop new algorithms, features for efficient processing of real-time data for alerts and notifications software and tools.
- Design and develop distributed software systems that incorporate real-time and streaming data using Java, Scala, Akka-Stream, Kinesis and Akka-Http.

### HERE TECHNOLOGIES | SOFTWARE ENGINEER II

July 2018 – Sept 2019 | Chicago, IL

- Worked as a Research Software Engineer in the Traffic team, submitted 5 patent applications.
- Designed and Implemented a new streaming path-based map-matching algorithm. It improves the current one by 5% in precision.
- Designed and implemented three new products for Traffic using Java, Scala, Akka and Node.js, all in production implementation queue.

### RSNA | SOFTWARE DEVELOPMENT INTERN

July 2017 – Dec 2017 | Chicago, IL

- Employed scrum to design and implement features from database integration to user interface using Node.js, Typescript, Aurelia, Socket.IO and MongoDB.
- Wrote dockerfile to automate the initial setup of configuring development dependencies saving 3-4 hrs of time.

### DIGITATE - TATA CONSULTANCY SERVICES | SYSTEMS ENGINEER

March 2013 - July 2016 | India

- Designed, implemented & tested a web-based IDE with auto-complete, code templates using Java, Spring-boot, AngularJS and MongoDB.
- Developed software architecture for significant portions of Billing Engine using Java, Spring, Hibernate, PostgreSQL and ExtJS.
- Developed Java Web-services (SOAP, REST API) to cater the client facing web pages.

## AWARDS

2018	1st/600	Best Travel Hack, HackIllinois, UIUC, for TravelPro
2017	1st/300	Best Use of AWS, WildHacks, Northwestern University
2017	1st/500	Best Financial Hack, BoilerMake, Purdue University, for WishWad

## PROJECTS

### HERE TRAFFIC INNOVATION

5 Patent pending new Traffic products. Java/Scala backend plus JavaScript clients.

### CLUSTERING RESEARCH

Comparative analysis of four clustering algorithms namely K-means, DBScan and internal algorithms on different datasets. Used Java, Python.

### TRAVELPRO

Elevates the travel experience by providing personalized recommendations utilizing credit history. Used Google Maps, Firebase and Node.js.

### DAILY LINUX COMMANDS

An android application, to learn basic Linux commands. Live on Google Play Store with 150+ thousand downloads. <http://bit.ly/DailyLinuxCommands>.