

# Nitin Kedia

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## EXPERIENCE

### Zeta – Senior Software Development Engineer

Jan 2023 - Present, *Senior Software Development Engineer*  
July 2021 - Dec 2022, *Software Development Engineer II*  
July 2020 - June 2021, *Software Development Engineer I*

\* Founding engineer of API Docs Platform where 116 microservices across the company have published API specs from code. APIs from different specs can be mixed and matched for any product offered by the company. Users can run apis right from the browser.

\* Enhanced, deployed and maintained the Web Platform to 10 independent installations including HDFC, Sodexo as customers. 78 different Vue applications served over thousands of unique urls are served by the same microservice. Common features like Login, Logout, Session Refresh, Firebase and Sentry are supported out of the box.

\* Have been on-call for 18 weeks, resolving issues faced by customer teams and resolving incidents. Also took more than 100 problem solving interviews. Onboarded teammates as the team size quadrupled from 3 to 12 within a year.

### Flipkart – Software Development Intern

May - July 2019

\* Developed the Reports module of Flipkart's new Ads Platform in React. Designed the component hierarchy to eliminate redundant renders for better performance. Used GraphQL in the Node server to fetch all data required at page load in a single network call.

\* Developed a versatile Carousel component with features like looping cards, parameters for the number of cards to display and scroll, etc. for the website's UI library.

## PROJECTS

### Intelligent Leader Election In Vehicular Clouds

B.Tech Project, Aug 2019 – May 2020

\* The idea of vehicular clouds is that vehicles request resources (compute / memory) from nearby vehicles for tasks they can't perform on their own.

\* Created an end-to-end simulation of vehicular clouds in Java to verify a proposed leader election and task allocation technique among cloud members. It is capable of handling 900 vehicles leveraging concurrency. Solved for time synchronization among them, thread-safe access to common API's like packet broadcast using CSMA and metric store.

### Single Image Super Resolution

Course Project (Computer Vision with Machine Learning)

\* Surveyed existing literature using CNNs, CNNs with attention blocks (spatial and frequency based) to finally GAN based methods.

\* Added Mean Squared Error to the loss function of the GAN which sharpened images more than necessary.

\* Introduced attention blocks to the Generator network to pair the best standalone network with the discriminator.

## EDUCATION

### Indian Institute of Technology, Guwahati

2016 – 2020

B.Tech. in Computer Science and Engineering

CGPA: 9.32 on a scale of 10

## AWARDS

**Joint Entrance Examination 2016**  
601<sup>st</sup> among 1.2 million candidates  
(99.95th Percentile)

### Awards at Zeta

Outstanding Performer – 2022, 2021

Mountain Mover – Q3 2022

Ultimate Team(Web Infra) – Q2 2022

Ultimate Team(API Playground) – Q4 2021

### Google CodeJam 2020

Secured global rank of 3044 in Round 2 starting from 44.5k participants in the qualification round.

### Codeforces

Have participated in 49 programming contests which routinely break 10k participants. Achieved an elo rating of 1852 (92.58th Percentile)

## TECHNICAL SKILLS

**Programming languages:** C, C++, Java, Javascript, Python

**Frameworks:** Vue, React, Node JS, Spring Boot, Kubernetes, Jenkins

**Others:** Git, Jira, PostgreSQL

## KEY COURSES

Computer Vision

Computer Architecture

Parallel Computer Architecture

Computer Networks (with Lab)

Topics in Networks

Compilers (with Lab)

Operating Systems (with Lab)

Databases (with Lab)

Data Structures (with Lab)

Algorithms

Software Engineering

Optimisation (from Maths Dept.)

Optimisation Methods