

PARAS AGRAWAL

Senior Engineer

[linkedin.com/in/parasagrawal71/](https://www.linkedin.com/in/parasagrawal71/)



(+91) 7762894825

github.com/parasagrawal71/



parasagrawal71@gmail.com

parasagrawal.web.app/



Bangalore, India

EXPERIENCE

Nference, Spectral Insights

Senior Engineer

Apr 2022 - Present

- Developed a stand-alone desktop **DZI** (Deep Zoom Image) viewing application using **Electron** builder over a web application that can save drawn annotations offline. (Supported on Linux as well as on windows).
- Took the initiative to build a single deployment script that set up all the microservices and installs & validates the required dependencies that are mandatory to run cluster operations. It **reduces manual labor**, saves time, and eliminates errors. This script has made deployment very easy & smooth.

Software Engineer

Jan 2021 - Mar 2022

- Figured out and implemented a seamless deployment method of the applications in multiple modes and environments. It made the service **single-line** deployable.
- Played a major role in setting up the communication between multiple applications. Explored multiple options, zeroed in on **Kafka**, understood it from scratch, and implemented it.
- To convert **25,000 DZI** images into **DICOM** format, quickly implemented an application that enabled & managed the process to run on multiple machines in parallel. Because the machines have constraints when it comes to I/O operations, this application efficiently maintains the queue and balances the load.
- Took the initiative to develop a mock service that hosts multiple servers running on the different ports to simulate the external APIs requested by the main backend service

Piktorlabs

Product-based Startup

Software Engineer

July 2019 - Jan 2021

- Built **Serverless** API server from scratch using Nodejs and Mongoose hosted on AWS. Also, I had worked on Nodejs and Express API Server hosted on AWS elastic beanstalk.
- Played a major role in the integration of the ADP APIs and launch **GoTag**, an employee portal application, on the **ADP Marketplace**.
- Worked on a few projects at this company throughout my time there, and I was able to apply a variety of technologies. Some of the technologies used include ReactJS, Redux, NodeJS, MongoDB, VueJS, Python, React Native, and AWS.

Keitai Technologies Pvt. Ltd.

Intern

Dec 2018 - Jan 2019

- Worked here as a full-stack developer on various websites, where I learned technologies such as HTML, CSS, Bootstrap, JavaScript, and PHP.

INDUSTRY SKILLS

Technical

FRONT-END JavaScript | React | Redux | HTML | CSS

BACK-END NodeJS | Mongo | SailsJS

OTHERS API Development | GIT | Kafka | AWS | Linux

Soft Skills Ownership, Far-seeing, Fast-paced

Also Familiar With

Electron.js | Vue.js | Python | C | Core Java | SQL | Data Structures & Algorithms | DBMS | iOS platform

PROJECTS

SIDE PROJECTS

• API Documenter

Apr - June 2021

An application for documenting all APIs for all microservices in an organization. One can also call the API from here and see the results. It provides controls to maintain different levels of access to a user for a microservice.



• Twitter Helpdesk

Nov 2020

An application that displays all the tweets in which someone is mentioned in one place. OAuth login. Mention and reply in **real-time** without refreshing the page (**WebSockets**).



• Shop Anywhere

Apr - Sep 2020

Built a simple e-commerce website to learn and apply different concepts from React, Redux, NodeJS, and Mongo. This project was my experiment to learn good folder structure, git best practices like branch naming conventions, reusable and configurable components, CSS best practices such as BEM naming conventions, and more.



COLLEGE PROJECTS

• CVBuilder

Aug - Dec 2017

Resume-making website which takes input from users. It has default layouts available or user can create their own layout by entering custom fields and their values.

• reBooks

Mar - May 2017

An online platform for selling/purchasing old books for educational campuses, option to download subject's notes or syllabus, no payment gateway for making the interface simple, and Signup/Sign-in pages.

AWARDS & RECOGNITIONS

• ngenious Award - 2021

Out of 250 employees. Check out the award to find out what my team thinks about my work.



EDUCATION

- Sir M. Visvesvaraya Institute of Technology (VTU)
B.E., Computer Science (2015-2019)

GPA: 7.98/10

- Sri Rani Saraswati Vidya Mandir (CBSE)
12TH, PCM (2014)
10TH (2012)

%: 88.2%

CGPA: 10/10

CERTIFICATIONS

- Data Structures + Algorithms by Andrei Neagoie (Nov 2020)
- Advanced Javascript Concepts by Andrei Neagoie (May 2020)
- Modern React with Redux Udemy Course by Stephen Grider (Apr 2020)
- Introduction to Modern Application Development by NPTEL (Jan - Mar 2017)