

# Prateek Agrawal

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<https://github.com/agrawal-prateek/>

## Summary

Experienced in backend software development with large-scale high user traffic consumer-facing systems, and strong knowledge in algorithms & data structure.

1. Experienced in Java & Javascript.
2. Reduced ad-rendering time from ~2000 ms to ~400 ms.
3. Developed systems to increase user engagement
4. Experienced in web applications, REST API, event-driven services, DB schema & procedures, agile methodologies, strong practices like Test-driven development, software design, and design patterns.
5. Experienced in Object-Oriented Programming (OOP), Microservices, Linux, and, Git.

## Experience



### Application Developer

Media.net

Mar 2020 - Present (1 year 5 months +)

Madmax

1. Developed event-driven backend system contains many services like STL Compiler, framework poller, ad poller, ad-syncer, template-stitcher, ad-validators.
2. Developed a system in JS, which is responsible to show ads on end-user devices.
3. Developed features to meet supply & demand for advertisers and publishers, and for multi-ads.

Rangers

Created a system that takes very little input, and creates bulk ads. After this system, It can create thousands of ads within few minutes.

Taken

Worked for a long time on this project. The whole purpose of this project is to re-marketing of ads, and use a multi-click model for ads to make a profit. Created feature for creating audiences for ad groups, targeting groups, and targeting, adopt, ad-studio, etc. Used Java & MySQL.

DataTool

Created a system, where existing DB tables can be imported and make changes there. The purpose was to handle things like: Developers and BDs can assess tables without knowing the password, multi-level permissions on tables, show only non-confidential columns, autogeneration logic need not be exposed.



### Software Engineer

Cloudreach

Jan 2019 - Mar 2020 (1 year 3 months)

Worked on pre-cloud, developed Apis and the following feature:

### Cost Explorer

Developed "Cost Explorer" to be used to analyze cost, usage, and performance for AWS resources. The features include Inventory Explorer, budget vs actual cost, and prebuilt top reports, user-defined reports.

### Hierarchy Builder

Developed "Hierarchy Builder" to manage user's cloud resources efficiently. Features include delete, edit, creation of group and hierarchies for Hierarchy Builder, features for user assignment to the groups & spend management, and Budget for cloud resources.



### Summer Intern

ABV-Indian Institute of Information Technology and Management

Apr 2018 - Jul 2018 (4 months)

Interned at IIIT-Gwalior, Worked on web development, used PHP, and created Credential Generator application for the University.

## Education



### GLA University

B.Tech, Computer Science

2015 - 2019

Developed the following projects during graduation:

1. Antitheft - A security system based on IoT.
2. Cloud Drive- A desktop software made on python for Linux.
3. Robot- An device that works like Amazon Alexa.
4. Security System Controller- Web app made on Python and Flask.
5. AbacusCEA- A website on NodeJs.
6. Grub Modifier- A Linux software gives customization to modify GRUB.
7. Te Amo- Part-time work, a website for Pune-based restaurant.

## Licenses & Certifications



**React - The Complete Guide(incl. React Router & Redux) - Udemy**

UC-OI16WE9B



**Acadmic Credential Generator - ABV-Indian Institute of Information Technology and Management**

IIITM/DIR/Reco/21042018



**Google Cloud Platform Fundamentals: Core Infrastructure - Coursera**

KV7EDLB59PMX



**Blockchain Basics - Coursera**

YWD7CYA3F53E

## Skills

Java • C++ • Python (Programming Language) • JavaScript • SQL • React.js • Back-End Development • Spring Boot • Data Structure & Algorithms • Maven

## Honors & Awards



### **Antitheft - GOVERNMENT OF INDIA**

Owns a patent, named Antitheft and received a fund of Rs 2.5 Lakhs for prototype development from Innovation and Entrepreneurship Development Centre, India