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# PRATEEK AGRAWAL

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## TECHNICAL SKILLS

C++	Java	SQL
Python	Javascript	
Vue	React	

## EDUCATION

### B.Tech

GLA University  
Computer Science  
CGPA- 7.2


### Intermediate



UP Board  
Percentage- 82



### High School

UP Board  
Percentage- 74

## FIND ME ONLINE

 [LinkedIn](#)   
@agrawal-prateek

 [Github](#)   
@agrawal-prateek

 [Hackerrank](#)   
@unknownbody

## SUMMARY

Experienced working on large scale high user traffic consumer facing applications, My day to day responsibilities includes writing APIs & services, development of application frontend, working on DB, making ownership of what I design & deploy.

I've strong appetite of continuous learning and improvement, strong OOP design skills, solid knowledge of system design, flexible in learning new technologies, experience with Agile & client-server architecture development, and passionate to work with architects on complex systems.

I have good problem solving skills and strong knowledge in algorithms & data structures.

## EXPERIENCE

### Media.net

#### Software Developer (Mar 2020 - Present)

Working on Backend, Frontend and Database. The day to day responsibility includes creation of new features, debugging and enhancements of existing ones. worked on the following projects so far-

#### Ad Rendering

Worked on multiple projects simultaneously, created some from scratch. The system's purpose was to show ads for publishers (website & apps).

- ✓ **POC** to know the optimal way for ad-rendering by analysing existing systems of [media.net](#) and other bidders like google
- ✓ Decision of Database structure, creation of tables and procedures
- ✓ Created a system by which business developers can create ad-templates, an automation runs and compiles them to frontend code, and makes them ready to be rendered on end-user's devices
- ✓ Created a **STL Compiler** whose purpose was to provide feasibility for ad-creation. No-one writes HTML for ads, templates are created, which then are compiled by backend
- ✓ Created another system which runs and creates ads & their assets, pushes them on S3 to be used by bidder
- ✓ Created manager-script, which is written in JS. It is responsible to show ads on end-user's devices
- ✓ Worked on mad-max, a bidder, which bids for DSP services, and returns ads after bidding
- ✓ Created system to optimize & validation automation for ads.
- ✓ Some other features to decide, which ad to make live

#### Rangers

Created a system which takes very less input, and creates **bulk-ads**. After this system, It can create thousands of ads within few minutes.

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### **Taken**

The whole purpose for this project is re-marketing of ads (purchase in cheap from google, yahoo and more), and use multi-click model for ads to make profit.

- ✓ Created feature for create Audiences for Adgroups.
- ✓ Created feature for Targetings, which are used to target audiences, devices, domains, location... etc
- ✓ An ad-optimization interface, which shows campaigns, ad-groups & ads, and user can change bids & budget, features like daywise-stats for ads etc.
- ✓ Created Ad-studio, which can create ads within 30 seconds of UI interaction

### **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 password
- ✓ Multi-level permissions on tables
- ✓ No-need to create more procs for simple data-fetching & writing, a generic datatool-api will work at all
- ✓ Show only non-confidential columns, autogeneration logic need not to be exposed

### **Cloudreach**

#### **Software Engineer (Jan 2020 - Mar 2020)**

Worked on pre-cloud, developed following feature:

- ✓ Created “upload CSV” feature for bulk update on asset and nodes for the cloud resources
- ✓ Writing Java services to be consumed by UI
- ✓ Conversion of Postgres procedures into Java services
- ✓ Created a helper service to validate the OS for “GCP Velostrata” for semi-structured data without analytics

#### **Software Developer (Jan 2019 - Jan 2020)**

Worked on the following applications and features:

### **AWS Cost Explorer**

Developed “AWS Cost Explorer” to be used to analyze cost, usage, and performance for AWS resources. The features includes-

- ✓ Developed Inventory Explorer, budget vs actual cost, and prebuilt top reports
  - ✓ Feature for user-defined reports
  - ✓ Worked on looker (A BI tool)
  - ✓ Writing complex SQL queries
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## Hierarchy Builder

Developed "Hierarchy Builder" to manage user's cloud resources efficiently

- ✓ Developed delete, edit, creation of group and hierarchies for Hierarchy Builder
- ✓ Features for user assignment to the groups
- ✓ Developed features for spend management and Budget for cloud resources

## Other tasks

Worked on some different tasks according to company's requirement

- ✓ Developed backend APIs using spring-boot to show data on different frontend applications including cost explorer and manage (A Cloudreach Application)
- ✓ Writing complex SQL with backend services
- ✓ Conversion of PL/SQL procedures into Java backend middleware
- ✓ Developed standalone application to run designer task on cloud using Python
- ✓ Big shoutout to company on completion 37 tasks within a sprint.

## PROJECTS

### Antitheft Pro [↗](#)

A security system which is **patented** and used Python to develop

### Abacuscea [↗](#)

A website developed on Node.Js for hosting events and media

### Robot [↗](#)

IoT project developed using Google APIs, Python

### Credential Generator [↗](#)

A web application developed for IIIT using PHP

### Security system controller [↗](#)

Web Application developed using Python and Flask

### Cloud drive [↗](#)

Linux software developed using Python

### Grub modifier [↗](#)

Linux software developed using Python

### Te Amo [↗](#)

A restaurant website developed as a freelancer

## LICENSES & CERTIFICATIONS

### Google Cloud Platform Fundamentals: Core Infrastructure [↗](#)

Coursera, Credential ID KV7EDLB59PMX

### Academic Credential Generator [↗](#)

Credential ID IIITM/DIR/Reco/21042018

### React - The Complete Guide(incl. React Router & Redux) [↗](#)

Udemy, Credential ID UC-OI16WE9B

## ACHIEVEMENTS

- ✓ Owns a **patented** product Antitheft and received a fund of Rs 2.5 Lakhs from IEDC (Innovation and Entrepreneurship Development Centre).
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