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

in LinkedIn ↗
@agrawal-prateek

Github ↗
@agrawal-prateek

Hackerrank ↗
@unknownbody

SUMMARY

With **2.5+ years** experience of working on large scale high user traffic consumer facing applications, with strong appetite of continuous learning and improvement, and strong knowledge in algorithms & data-structure. My day-to-day responsibilities includes:

☑ Write APIs & services, development of application frontend, working on DB schema & procedures, making ownership of what I design & deploy

☑ Work on agile, client-server architecture development & standalone event driven background services

☑ Using strong practices like TDD, OO design, solid system design

☑ Taking ownership and accountability beyond individual deliveries

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.

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

Opnn ☒
Web Developer (Nov 2020 - Jan 2021)

Worked part-time in opnn, a consumer platform for room-based audio and video meetings. Worked on **ReactJs** for UI development.

- ☑ Created feature for video conferencing room.

- ☑ Added feature for game integration in game room. The feature was made a universal form of iframe-based game integration.

Cloudreach ☒
Software Engineer (Jan 2019 - Mar 2020)

Worked on pre-cloud, developed following feature:

AWS Cost Explorer

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

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 & spend management and Budget for cloud resources

Other tasks

- ☑ Developed backend APIs to show data on different frontend applications including cost explorer and manage (A Cloudreach Application)

- ☑ 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 (DURING GRADUATION)
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

Acadmic 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).