

RAHUL SINGH DHEK

Software Development Professional

(+91)9880342181 | rahulsinghdhek@gmail.com | [LinkedIn](#)

EDUCATION

Master of Technology from IIT, Bangalore	2012-14
Major: Database and Information Systems.	CGPA: 3.14/4
Bachelor of Technology from Gandhi Institute for Technology, Bhubaneswar	2008-12
Major: Computer Science and Engineering	CGPA: 8.61/10

WORK EXPERIENCE

Plivo, Bangalore. *Software Development Engineer* Apr 2019 onwards

- Working with a push notification microservice that uses SNS to push notifications to mobile clients. Added CRUD operations to manage certificates.
- Added the call stats feature that collects active call-related stats and feeds it to the call-in-sight server every 5 seconds. The service further aggregates the data and pushes it to the relational database.
- Added JWT based authentication including existing basic Auth. The feature has not gone for GA yet.
- Added feedback API to rate the voice call.
- Moved the registration lookup from Postgres DB to redis-cluster.
- Contributed towards updation of JSSIP stack and code refactoring of browser SDK.
- Added audio device toggling(latching in, latching out) feature for voice calls.

Cloud Infra : AWS

Languages : Javascript, Golang, Python

Qualcomm, Bangalore. *Program Analyst* Jul 2015 - Apr 2019

- Worked on an ML backed storage reclamation web application that helps customers in decision making. It helps users to initiate, schedule a scan on collection of scratch paths and store the metadata in elastic search. User can later write a classification (Kibana Query) or use ML way of classification and initiate, schedule a relevant action on the classified set.

Machine Learning Algorithm: Decision Tree classification

Web Framework: Django; Django REST Framework

Database: PostgreSQL

Deployment: Docker for development; Jenkins, Ansible for production

- Worked on optimizing the File System Explorer application using Golang's goroutines and channels.

Citicorp (GDM), Bangalore. *Analyst*

Aug 2014 - Jun 2015

- Worked with the NA cards acquisition team to map the acquisitions to respective campaigns.
- Analysis of financial data and generating/automating financial reports related to North Alliance credit cards

Qualcomm, Bangalore. *Intern*

Jan 2014 - Jun 2014

- Designed and developed a tool usage tracker to track usage of various tools across the Bangalore Development Centre.
- Developed a Perl bin logger that tracks the usage of Perl modules for backend scripts written in Perl.
- Added a function to Perl source code written in C.

SKILLS

- Languages : Python, GoLang, Javascript
- Databases : PostgreSQL, Familiar with Redis
- Web Frameworks : Django, Familiar with Gin
- Frontend : JavaScript and familiar with Typescript Angular 2

ACADEMIC PROJECTS

- **Virtual File System** Aug 2012 - Dec 12
Mimic the Linux file system using basic DS concepts like Linked List, Hash Table, Binary search tree. [Github](#)
- **Universal Schema** Jan 2013 - Apr 13
A combination of all the entities put together in one large relation. Automatically maps the required table attributes from the user's request.
- **Sandesh - Semantic Data Mesh over Indian Open Data.** Jan 2013 - Dec 13
This project aims to integrate all the open data relevant to India into an ontological structure based on an underlying geospatial paradigm, where data can be associated with different parts of the country
- **OCR using Phone and Cloudlet** Jan 2013 - Apr 13
Create an app that reads text from an image by using Optical Character Recognition.

SELF PROJECTS

- Currently working on design and development of application that maintains the expenses for the weekend football group. Application deployment and front-end development in progress.
- Developed a python script that would send an alert when the travel time between and work(source) and home(destination) is between a given range. Used Google Map API. Jul-Aug 2016
- Wrote a Python script that would list the stock details (live price, time, previous change, etc) and give an analysis for a list of stocks including total profit/loss. Feb-Mar 2016
- Developed a basic flask application that tracks and calculates FD, RD, SIP investment and maturity, and deployed it in Heroku. Feb-Mar 2016