Hitesh Thakur

Back-End Engineer

Solan, Himachal Pradesh | +91-8629857986 | hiteshthakur20@gmail.com

in linkedin.com/in/hitesh-thakur/ github.com/ThakurHitesh

About Me

- Developed interpersonal and communication skills, having dealt with a diversity of clients and staff members.
- Excellent organizational abilities with careful attention to details.
- As a self - motivated individual, able to set effective priorities and implement decisions to meet operational deadlines.
- Adapt easily to new concepts and responsibilities.

Professional Summary

- Solid experience working with Django and Design Patterns such as MVC and frameworks.
- Experienced with full software development life-cycle, architecting scalable platforms, object-oriented programming, database design and agile methodologies.
- Knowledge of user authentication and authorization between multiple systems, servers, and environments.
- Proficient in databases like PostgreSQL, MongoDB and Redis.
- Experience with Requests, Numpy, Scipy, Matplotlib, and Pandas python libraries during development lifecycle.
- Experience with web socket end-points.
- Experience with third-party API integrations.
- Deep understanding of HTTP methods, RESTful architecture.
- Experience developing and maintaining production systems deployed to the cloud.
- Good knowledge in maintaining version controls systems such as GIT.
- Experience in working with AWS(Amazon Web Services) cloud platform.
- Experienced in working with various Python Integrated Development Environments like IDLE, PyCharm, Atom and Sublime Text.

Work experience

Back-end Engineer   2019 - Present

Stones2Milestones Edu Services Pvt. Ltd. - Gurugram, Haryana

Stones2Milestones is an organisation in the education space that aims to impact the way in which school-going children between the ages of 3 to class 3 learn to read in English.

Product: A mobile||/web application Freadom, designed to help parents raise happy readers at home.

- Integrated celery for handling time-consuming operations in an asynchronous manner and periodic operations in a cron-esque manner.
- Integrated SES and Mailgun for sending emails.
- Worked with JWT for handling user authentication.
- Used Redis as a database for storing data for a specific time.
- Integrated Whatsapp API provided by third-party service for sending text messages.
- Integrated CleverTap SDK in the backend for real-time data flow between Clevertap and app.
- Added Referral feature to the app.
- Worked with MSG91 API end-points for sending and verifying OTP.
- Integrated Google SMS Retriever API for auto reading OTP.
- Integrate Razorpay Standard Checkout (Payment Gateway) with web-app to start accepting online payments from customers.

Education

Bachelor of Technology, Bioinformatics [2015-2019]

Jaypee University of Information Technology, Himachal Pradesh

Completed B.Tech in Bioinformatics with an aggregate of 89% (CGPA 8.9) .

Class 12th [2014-2015]

B.L Central Public Sen. Sec. School, Himachal Pradesh

Completed class 12th with an aggregate of 76.6%.

Class 10th [2012-2013]

B.L Central Public Sen. Sec. School, Himachal Pradesh

Completed class 10th with an aggregate of 90%.

Skills

Python
(Programming Language)

Django/Flask
(Web Framework)

PostgreSQL
(Relational Database Management)

MongoDB
(NoSQL Database)

Redis
(Database)

React JS/JavaScript
(Web - Frontend)

- Added Promo code feature to the payment process.
- Added Payment Links(links that customers can click to make online payments) to internal application.
- Integration of front-end element created by front-end developers.
- Develops new and maintains existing applications.
- Working with other developers in delivering internal and external back-end applications.

Projects

Let's Chat
Built a Chat App using Django Rest framework, Channels(Web Socket) and MongoDB.

- User on-boarding : register/login/logout.
- Add contacts to the user's profile.
- Chat with friends or in a group.
- Access to old messages in a chat.

fSurvey-Fast Survey
Built a survey app using Django Rest Framework and PostgreSQL.

- APIs to create a poll question, to list questions, to get question detail, to edit a question, to delete a question, to create choice for a particular question, to see question detail along with available choices, to vote for a particular choice of a question, to see result for a particular question.

E-Commerce
Built a Shopping App app using Django Rest Framework, Redis and PostgreSQL

- Three type of user - admin, buyer and seller.
- User on-boarding : login/logout/register.
- Integrated Google mail API for sending OTP and used Redis for verifying OTP.
- Added JWT for authentication and APIs with access to a certain user.
- CRUD APIs for the product.
- APIs to add the product to a wishlist, to add the product to cart, to the checkout cart and notify the seller when order is placed.
- Integrated Razorpay Standard Payment Gateway for handling payments.

Build a blog application with Django
Built Blog Application using Django Rest Framework and PostgreSQL

- Blog application with Django that allows users to create, edit and delete posts.
- Frontend: Homepage(list all blog posts) and detail page(detailed view for each post)

tNote
Built Take Note Application using Django Rest Framework and PostgreSQL

- An application that allows users to create, edit and delete note.
- User on-boarding : login/logout/register User Authentication using JWT.
- Frontend: ReactJS

Developed a web server for analysis of plant genes
- Front-end: Designed using HTML5, CSS3, Bootstrap 3, Javascript and AngularJS.
- Back-end : Designed using PHP .

Developed a web server (RE-MAP) for analysis of regulatory elements and nucleotide sequences
- Front-end : HTML5, CSS3, Bootstrap 4, Javascript and AngularJS.
- Back-end : PHP and integrate some python and perl scripts for analysis of inputs.

Machine Learning Projects
- SMS text classification into ham and spam
- Predicting the price of used cars
- Predicting the finish placement -PUBG
- Predicting the survival of the Titanic disaster
- Classification of comments into multi-label classes (toxic, severe_toxic,obscene, threat, insult, identity_hate)

HTML5/CSS3/Bootstrap
(Web - Frontend)

Machine Learning
(AI Application)

Web Sockets

Technical Skills

Languages: Python, SQL, HTML, CSS, PHP, JSON Parsing, Javascript

Platforms: Django, Android Studio, GitHub, Bitbucket

Database Systems: PostgreSQL, Redis, MySQL, SQLite

Operating Systems: Windows 10, Linux, Mac OS

Source Control : Git

Django libraries: Celery, Django Rest Framework

API Integration : RazorPay, Clevertap, Twilio, MSG91, Google SMS retriever

Internships

International Crops Research Institute for the Semi—Arid Tropics, Hyderabad [Dec 2017 - Jan 2018]

Handling and analysing Big Data using python and remote server

International Crops Research Institute for the Semi—Arid Tropics, Hyderabad [May 2018 - July 2018]

Developing a web server for analysis of plant genes