

Amit Rathore

Software Developer



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📄 PROFILE

Analytical and Talented Software Developer with proven experience delivering to quality, time and budget constraints. Communicates complex technical concepts clearly and concisely for optimized understanding Initiative-taking and astute to develop and achieve robust, dynamic solutions

🧠 SKILLS

Python | pandas | numpy

OpenCV | javascript | Node Js

CSS | C# | Bootstrap | Angular Js

Jquery | .Net Core | SQL & PLSQL

Docker | Linux | Unit Testing

Ajax | API Testing | Docker

Microsoft Azure

📁 PROFESSIONAL EXPERIENCE

Infosys Pvt Ltd May 22 - Present

Associate Business Analyst

05/2022 – present | Chandigarh, India

- Designing and developing the complex solutions for an AI based application, IOT Edge Applications etc.
- Developed Web Frontend application using the JavaScript, Angular, JQuery, etc.
- Developed the Backend AI based applications using Python, pandas, numpy, opencv, scikit-learn, TensorFlow, or PyTorch etc.
- Fixing the bugs raised in QA, UAT and Production Environments..
- Coordinating with internal and external entities like Product Owners, QA, Product Support, Client.
- Has been involved in creating test scenario, test cases and cooling test data.
- As a team lead i have managed the entire process for the project work flows, solution designs, requirement gathering.
- Taken the responsibility of Product migration to UAT and Production environments.
- Worked on existing and newly reported bug/defects and maintain bug tracker for future reference.
- Requirement Analysis and Design Approaches. (Prepare design specification and impact analysis)
- Docker Containering the applications for deployment on Azure iot device gateway

Flipkart Internet Pvt Ltd

Support Engineer

02/2021 – 05/2022 | Bangalore, India

- Designing developing & installing software solutions and developing high-quality software design and architecture as per
- Collaborating with Stockholders and peers during entire SDLC process as part of ensuring timely delivery of release cycles
- Developed and Customized Forms, Reports, PL/SQL Procedures, Triggers and Functions.
- Wrote complex SQL queries, Control files, Procedures, Triggers and Packages.
- Interact with Stakeholders and participate in business and requirements gathering and Sprint Demo sessions.
- Collaborating with vendors and cross-functional teams to fix & improve products problem definition, requirements, etc.

CERTIFICATES

- Udacity - Programming, Data structure, and Algorithms in Python
- Cisco "CCNA – Routing and Switching to Network"
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- Udemy "Front end Development"

ADDITIONAL SKILLS

DEs/ Development Tools:

PyCharm, Jupiter, Visual Studio, VS Code, Eclipse IDE.

Deployment Tools:

Azure Devops, Microsoft Azure, Azure IOT, Git, GitHub, Wikies, Swagger, Docsify,

Miscellaneous:

Agile Process, Agile Methodologies, Postman, Microsoft office, GPC VM, Putty, Redis, Excellent communicational, Strong Leadership, Decision making

EDUCATION

B.E. in Computer Science and Engineering

Sathyabama Institute of science and Technology

06/2016 – 06/2020 | Chennai, india
8.2 CGPA

12th Intermediate

Green Field Sen. Sec. School
04/2015 – 03/2016 | Kangra, India
Secured 62%

PROJECTS

AI Companion Application - Infosys

This application has been developed to sound alarms based on the detection of alerts such as Helmet Detection and Vest Detection, using AI-powered modules. It is specifically designed to enhance safety and security across various zones and sites, particularly within oil and refinery firms.

Role:

- converted alerts data into binary data to sent the alert to frontend application
- modified the incoming alert (images, videos) by drawing the x axis, y axis zones.

Technologies Used: Python, struct, pandas, numpy, scikit-learn, PyTorch

Agora-glk-Emulsion, choke-vfm, pipesim edge - - Infosys

Migrated the three applications (Agora-glk-Emulsion, Agora-choke-vfm, Agora-pipesim edge) to Agoraiot sdk, from Hermes based application system and refactored the code with new Sdk, there were virtual devices hosted onsite in well/wellbores, and the data streamed from those devices need to be processed with the units to broker or websites, and clouds

Role:

- Developed end to end application with new Agoraiot SDK, where the data streamed from shared volume and passed to another Modbus applications and bus client, for configuration, there were few calculations for unit conversion and liquid fluid values which were processed to frontend system for user interaction.

Technologies Used: Python, PyCharm, NumPy, Apis

Witsml Client and Server - Infosys

The complex console application communicates with the well/wellbore devices to extract the live information in an witsml format, and need to redirect the coming information through the different gateway to and web application

Role:

- Developed an end-to-end application which interacts with Mqtt broker to replicate the data in json format with the specific unit values and then pass to frontend server to different application which interacts with frontend.
- Developed the frontend User interface, where the values and live data is streamed for oil and gas production from well/wellbores.

Technologies Used: C#, .Net, Angular, JavaScript, MS test