Shubham Rawat

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Summary

- Overall 2+ years of experience as a Software Developer. Rich experience in web development and cloud technologies.
- Experience in working with RASA-based chatbot, enhancing users' overall experience on the platform.
- Currently working at PlanSource India, Bengaluru (Oct. 2022 - Present).
- Excellent understanding of Object Oriented Programming and Solid Principles.
- Experience with Test driven development approach to achieve complete test coverage and leaving no defects in code.
- Experience in working with agile scrum framework and follow its best practices.

Experience

- **PlanSource India Operations Pvt. Ltd.** — Bengaluru, India
  Associate Software Engineer (Full-time) — *Aug. 2023 - Present*
  - Worked on tray.io platform to automate business pipelines and ecosystem integration, which helped in automation of processes resulting in revenue increase in millions of dollars.
  - Set up new open-source BI and visualization tool, Superset, from scratch and integrated it in our systems, which resulted in saving more than $200k in expenses.
  - Integrated LLM based GenAI model in the product which responds to user queries. This was sold as separate add-on to companies' bundled services resulting in more revenue and lesser inquiries on customer support.
  - Collaborated with cross-functional teams to design, develop, and deploy multiple web applications.
  - Worked closely with multiple teams including product, development, and QA team to determine bottlenecks, testing methods, and best practices.
  - Integrated pendo.io for gathering insights on user behaviour and footfall on the platform to help make better decisions related to product.
  - Worked on RASA-based chatbot, adding crucial features helping in enhancing user experience and engagement.
  - Engineered python FastAPI based service, making use of OpenAI to highly enhance user experience on the platform.
  - Worked on project employing Machine Learning to classify user documents into different types and auto-approving documents if found valid.
  - Created a unique solution, making use of ML models, to extract out information from multiple documents to automate the manual and rigorous task of configuring client on company systems. Helped in reducing turn-around time by 80%.

- **MountBlue Technologies Pvt. Ltd.** — Bengaluru, India
  Software Development Engineer (Contract - PlanSource) — *Aug. 2022 - July. 2023*
  - In one of the projects, set up whole testing framework to generate complex mock data to test and validate the proper functioning of crucial ETL pipeline.
  - Used AWS SQS and Lambdas to build a event-driven system which was responsible for handling the processing/transmission of crucial data to business partners.
  - Set up CI/CD pipelines for automation of test cases and deployment of code.
  - Optimized SQL queries to improve the performance of certain pages in application.
  - Written code for monolith, as well as, micro-services in ruby, java, javascript along with test cases using RSpec, Minitest, Jest, Mocha, Chai test frameworks.

Education

- **College of Engineering Roorkee** — Roorkee, India
  Bachelor of Technology in Computer Science and Engineering; Percentage: 67.30 — *July. 2014 – June. 2018*

- **Doon International School** — Dehradun, India
  XII CBSE; Percentage: 84.60 — *April. 2012 – May. 2013*

- **Kendriya Vidyalaya I.T.B.P. Gauchar** — Gauchar, India
  X CBSE; CGPA: 9.2 — *April. 2010 – May. 2011*

Projects

- **Instagram Clone**: Instagram clone web app. having features to follow other users and see their posts; and like and comment on them. App was hosted on AWS EC2 machine and user uploads were stored on AWS S3. The users could sign up and use the social media app as per their authorization.
- **Flight Booking web app**: Flight booking app where a admin can create flight schedules and users can book flights for themselves. Used postgres to store data.
- **Fundraiser website frontend**: Fundraiser website where users can see the goals of the organization and can donate for the cause. Implemented just the frontend to learn UI for websites.
- **Residents' Records android app**: Java based android app which uses sqlite db to store the details of patients/residents of any institution like hospital or old age homes. Aim was to help the assitants in better managing the needs of the patients.

Programming Skills

- **Languages**: Javascript, Ruby, Java, Python, SQL

- **Technologies**: AWS Cloud products (EC2, S3, SQS, SNS, OpenSearch, Lambda, Api Gateway), Databases (mySQL, Postgres, Snowflake, Redis, AWS DynamoDB), Docker, RASA, OpenAI API, Web frameworks (rails, react, spring, flask), tray.io, pendo.io