Shubham Rawat

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SUMMARY

Software Developer with over 3 years of experience designing and building scalable distributed systems and micro-services. Skilled with AWS cloud services and modern databases to deliver robust, reliable applications. Experienced in architecting solutions using web frameworks like Ruby on Rails and FastAPI. Contributed to the integration of Gen-AI solutions into core products, enhancing user experience with intelligent features. Passionate about creating streamlined, integrated solutions and excited to join innovative teams focused on performance, usability, and technology leadership.

EXPERIENCE

- **PlanSource India Operations Pvt. Ltd.** — Bengaluru, India
  - *Software Engineer* (Full-time) — *April. 2025 - Present*
  - *Associate Software Engineer* (Full-time) — *August. 2023 - March. 2025*
    - Designed and implemented end-to-end architectures for multiple applications, contributing to **backend** API development, **frontend** and **Gen-AI** based features.
    - Developed and maintained scalable web applications with **Ruby on Rails**, writing new features with 100% test coverage using **RSpec**, leveraging **PostgreSQL** and **MySQL** databases along with **Redis** for caching.
    - Worked on development of multiple GenAI-driven POCs, designing architecture from scratch and delivering MVPs that were subsequently expanded into production products such as agentic task-automation tools, RAG-based recommendation tools, summarization tools, assistants utilizing technologies including OpenAI, Anthropic, Langchain, AWS Bedrock and vector DBs.
    - Architected cloud-native solutions by developing applications using **Python** and **FastAPI**, then containerizing them with **Docker** and leveraging **AWS Lambda** functions to build scalable, serverless systems.
    - Collaborated with a team from AWS to design and develop a smart benefits assistant delivering personalized plan recommendations using user demographics and survey data.
    - Led the migration from embedded **Looker** dashboards to **Superset**, saving over $200K in annual licensing costs.

- **MountBlue Technologies Pvt. Ltd.** — Bengaluru, India
  - *Software Development Engineer* (Contract - *PlanSource*) — *August. 2022 - July. 2023*
    - Orchestrated the seamless transfer and processing of bulk partner data by integrating **AWS SQS** event triggers with serverless **Lambda** computing.
    - Developed a solution and testing framework to validate crucial API data accuracy, then implemented a CI/CD pipeline to automate tests and ensure reliable deployments.
    - Contributed to **monolithic and microservices** architecture in Ruby on rails and JavaScript, while ensuring error-free code in tightly coupled systems.

TECHNICAL SKILLS

- **Programming Languages**: Ruby, Python, Javascript, jQuery, Java, SQL
- **Databases**: PostgreSQL, MySQL, Redis, Snowflake, DynamoDB
- **Cloud**: AWS
- **Tools/Technologies**: Docker, Git, OpenAI, LangChain, RASA, AWS Bedrock, Postman, Superset

EDUCATION

- **College of Engineering Roorkee** — Roorkee, India
  B.Tech 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*

PROJECTS

- **Instagram Clone** ↗: Developed an Instagram clone web application featuring user follow, post viewing, likes, and comments. Implemented secure user sign-up and authentication. Hosted the app on AWS EC2 with user media uploads stored reliably on AWS S3.
- **Flight Booking App** ↗: Designed a flight booking application enabling admins to manage flight schedules and users to book flights seamlessly. Leveraged PostgreSQL for reliable data management.