

Shubham Rawat

Software Development Engineer

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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 building streamlined, integrated solutions and eager to contribute within high-performance teams by leveraging expertise in systems design, cloud infrastructure, and service reliability.

SKILLS

- **Programming Languages:** Ruby, Python, Javascript, jQuery, Java, HTML, CSS, SQL
- **Databases:** PostgreSQL, MySQL, Redis, Snowflake, RDS, DynamoDB
- **Cloud Technologies:** Microservices, AWS SQS, EC2, Lambda, API Gateway, S3, Cloudwatch, IAM
- **Development Tools:** Docker, Git, JIRA, OpenAI, LangGraph, RASA, AWS Bedrock, Postman, Superset
- **Software Engineering:** Object-Oriented Programming, Database Management Systems, Software Development Life-Cycle (SDLC), Data Structures and Algorithms, Unit Testing, Debugging
- **Soft Skills:** Problem Solving, Collaboration, Communication, Attention to Detail, Adaptability, Continuous Learning, Mentorship

EXPERIENCE

- **PlanSource** Bengaluru, India
Software Development Engineer August. 2022 - current
 - Designed and developed GenAI-driven proof-of-concepts, delivering MVPs like RAG-based recommendation, summarization tools, and agentic assistants that were scaled into production.
 - Focused on backend development and RESTful API design, including implementing GenAI-based features.
 - Built a plan recommendation system using AWS Bedrock that analyzes user survey responses and demographics to deliver personalized recommendations with over 95% accuracy.
 - Developed a RAG-based GenAI microservice generating summaries from uploaded files or URLs, enabling users to quickly understand document content.
 - Contributed to monolithic and microservices architectures in Ruby on Rails, Python (FastAPI), and JavaScript, while ensuring robust unit testing with RSpec and integrating test suites within CI/CD pipelines.
 - Added critical chatbot functionalities such as username and password resets using the Rasa framework, ensuring secure and convenient user access.
 - Supported software releases by automating CI/CD pipelines and monitoring deployments with CloudWatch, reducing failures and boosting release confidence.
 - Conducted comprehensive code reviews to uphold high coding standards, ensure best practices, and improve team efficiency and documentation.
 - Hands-on experience working across diverse database technologies, including relational (PostgreSQL, MySQL), NoSQL (DynamoDB), data warehousing (Snowflake), and caching (Redis).
 - Collaborated in developing a data synchronization system using AWS SQS and Lambda, fulfilling HCM partner requirements to deliver bulk data payloads reliably and error-free.
 - Developed a JSON/XML payload validation system ensuring compliance with LIMRA schema, resolving client issues related to incorrect data transmission.
 - Solely led the removal of legacy Looker embeddings and integration of Superset dashboards in the core platform, saving over \$200K annually in licensing costs while ensuring a seamless user experience.
 - Collaborated with cross-functional teams to gather requirements, estimate efforts, and deliver features aligned with the organization's operational excellence goals.

EDUCATION

- **College of Engineering Roorkee** Roorkee, India
B.Tech in Computer Science and Engineering 2018
- **Doon International School** Dehradun, India
XII CBSE 2013