Anmol Sansi

United States • (312) 468-3428 • asansi0896@gmail.com • linkedin.com/in/anmol-sansi/ • https://github.com/anmolsansi

SUMMARY

Software Engineer with 4+ years of experience in backend development, AI tools, and cloud-native solutions. Skilled in Python, Java, AWS, and full-stack frameworks like React and Spring Boot. Passionate about building scalable, high-performance systems and leveraging AI/ML to solve real-world problems. Strong background in agile development and cross-functional teamwork.

SKILLS

Python | Java | TypeScript | CSS | HTML | C++ | XML | React | React.JS | Nodejs | JavaScript | GitLab | Git | Jira | IntelliJ IDEA | PyCharm | Postman | Eclipse | Version Control | Azure | Google Cloud Platform (GCP) | Amazon Web Services (AWS) | MySQL | SQL | DynamoDB | MongoDB | NoSQL | PostgreSQL | Firebase | PL/SQL | Spring Boot | Spring | Pandas | Tkinter | Flask | Jenkins | Django | NumPy | Junit | Mockito | Pyspark | Express | REST API | JSON | Swagger | Microservices | Maven | JVM | Docker | Kubernetes | Terraform | APIs | Data Analytics | SOAP | Excel | Data Visualization

WORK EXPERIENCE

Software Engineer Intern - Radical AI (Chicago, USA)   Aug 2024 – Feb 2025
- Built AI-driven quiz and flight management tools using Google Gemini, LLMs, and NLP, boosting user engagement and improving query relevance by 20%
- Developed an interactive quiz platform and flight management chatbot, leveraging Google Vertex API and Google Cloud AI tools to boost real-time feedback and engagement through natural language interactions.

Java Teaching Assistant - Illinois Institute of Technology (Chicago, USA)   Sept 2023 – May 2024
- Facilitated Java sessions for over 100+ students, managing classroom logistics to ensure smooth, project-based learning experiences with targeted individualized support.
- Used Excel and Power BI to analyze engagement data, tailoring support strategies and boosting effectiveness by 25%.

Associate Software Engineer - S&P Global (India)   Jul 2019 – Dec 2022
- Hired as part of a cross-functional team of 20+ to develop a scalable New Pricing Platform and Reference Data.
- Accelerated development, end-to-end and debugging efforts using Java and Test Driven Development (TDD) principles, aligning with business values and requirements, and integrating new features, resulting in a 50% performance boost in the existing product.
- Developed backend solutions and 100+ RESTful APIs using Python and Java, managing 1M+ record databases and boosting revenue while reducing maintenance costs by 40%.
- Built and maintained ETL pipelines using AWS (DynamoDB, Lambda, Kinesis, API Gateway), improving data handling by 40% and cutting costs by 15%. Integrated SQS for event-driven processing and contributed across the full SDLC.
- Participated in on-call rotations, diagnosing and resolving production incidents, ensuring 99.9% service uptime

Software Engineer Intern - Intellect Design Arena (India)   Jun 2018 – Jul 2018
- Revamped user interface of Government E-Marketplace (GeM) portal in collaboration with a 12-member QA engineers.
- Reduced APIs and regression testing time by over 70% by collaborating with the testing team to integrate Selenium and Java automation, boosting system performance

Projects

Resume Tracker – Serverless Web Application
- **Technologies** – Python, AWS Lambda, DynamoDB, API Gateway, S3, SES and React
  - Designed and developed a serverless backend system to track job applications, integrating RESTful APIs with DynamoDB for CRUD operations. Used S3 to store resumes and cover letters, with SES and CloudWatch for weekly follow-up email alerts.

The Movie Review – Android Application
- **Technologies** – Java, Kotlin, TMDB and OMDB APIs, Firebase, YouTube Web API and SQLite
  - Implemented TMDB and OMDB APIs to manage 10,000+ movie entries and integrated YouTube trailers. Added a favorites feature, boosting user retention by 25%. Managed user authentication with Firebase for 500+ users and enabled offline data access with SQLite.

Task Management Application – Desktop Application
- **Technologies** – Python, Tkinter Library and SQLite
  - Designed and implemented a Tkinter-based task management interface with features for task creation, editing, and deletion. Familiar with Elasticsearch based indexing and search relevance tuning. Improved task management efficiency by 50% and user productivity by 35% through enhanced search, filter, and organization capabilities. Utilized SQLite for local data storage.

Pharmacy Management System – Desktop and Web Application
- **Technologies** – Java, JavaFX, SQL, JSP, Maven, JavaScript and React
  - Designed and implemented RESTful APIs to handle authentication, role-based access, and interactive JSP/JavaScript pages. Developed interactive search UI using React and JavaScript, adding real-time filtering and faceted search improving response time by 30%. Improved performance by 40% with a Java/SQL backend, reduced downtime by 20%, cut build time by 25% using Maven.

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY – (CHICAGO, USA)   2024
Masters in Information Technology and Management   GPA: **4.0**/4.0