

Santanu Khan

Software Engineer

Experienced (5+ years) Python Backend Developer with strong expertise in developing and deploying impactful solutions. Proficient in leveraging AWS cloud platforms, including EC2, S3, Lambda, Vault, and ECR, to build scalable, secure, and efficient backend systems.



✉ santanukhan88@gmail.com

📍 Kolkata, India

🌐 [linkedin.com/in/santanu-k-a27b47171](https://www.linkedin.com/in/santanu-k-a27b47171)

📞 7003163896

📅 26 April, 1993

WORK EXPERIENCES

Software Engineer

PRM Fincon Services Pvt. Ltd.(XLRT)

11/2019 - Present

Kolkata

Fintech Company

Financial Information Classification & Mapping

- **Client:** Dun & Bradstreet (D&B) Global.
- **Microservices Architecture & Dockerization:** Containerized the microservices using Docker, enabling seamless deployment across various environments and ensuring efficient remote management.
- **Priority-Based Queue Mechanism:** Optimized data flow and processing, improving performance and ensuring timely delivery of critical information.
- **Knowledge Graph Integration:** Ensured efficient management of data and improved the accuracy of categorization and relationship mapping.
- **Application of Predefined Business Rules:** Refined and validated data accuracy, enhancing the overall quality and consistency of the financial information.
- **Ensure proper cleanup after the transfer to maintain system integrity:** Archive all necessary logs and files to a shared mount point, compress them into a single archive using tools like tar or zip, and then upload the archive to an S3 bucket.

Software Engineer

PRM Fincon Services Pvt. Ltd.(Riskent Technologies Limited)

08/2024 - Present

Purchase Order and Invoice Amortization Metrics

- **Client:** HSBC Bank (UK)
- **Microservices Architecture & Dockerization:** Containerized the microservices using Docker, enabling seamless remote deployment and consistent environments across different stages of development and production.
- **Optimization of Processing Time:** Optimized the processing time for large payloads by parallelizing tasks, improving overall system efficiency and reducing latency in data handling.
- **Development of Predefined Business Rules for Metrics:** Implemented business rules to accurately track and manage the distribution of costs over time, ensuring compliance with financial reporting standards.

SKILLS

Languages: Python

Web Frameworks: RabbitMQ, Nameko, Flask, Unicorn

Libraries: Numpy, Pandas, NLTK, Fuzzywuzzy, Neo4j

DevOps Tools: Docker, Jenkins, Bitbucket, CI/CD Pipeline, Microservices, Docker Compose, Security Best Practices, Agile Methodologies, Automated Testing (pytest, unittest)

Cloud Platforms: AWS (EC2, S3, Lambda, Vault, ECR)

Operating System: Centos, Redhat, Windows

LLM: Ollama

Databases: PostgreSQL, MySQL, MongoDB

EDUCATION

Masters of Computer Application(MCA)

Future Institute of Engineering and Management

08/2015 - 08/2018

DGPA: 8.61

B.Sc. (Hons.) Computer Science

Derozio Memorial College

08/2012 - 08/2015

66% in Hons

CERTIFICATION

White Belt 2024 - Python Basic

Secure Code Warrior

- Grade- 95.33%

INTERESTS

Coding

Photography

Listening music

Watching Movies