

Avishek Deb Senior Software Engineer

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SKILLS

- **Programming Languages** : Python, Java, PHP
- **Libraries and Frameworks** : Django, FastAPI, Drupal, Redis
- **Tools** : Git, Docker, AWS, PostgreSQL, MySQL
- **Other Skills** : Data Structures and Algorithms, Microservices, Design Patterns, System Design

EXPERIENCE

Software Development Engineer (Backend)

May 2022 - Aug 2023

Coforge

Mumbai

- Designed RESTful APIs using Django frameworks to enable seamless communication between frontend and backend components, reducing API response time by 25%.
- Utilized Django ORM and SQLite for database operations, ensuring optimal performance and data integrity.
- Implemented Redis caching solutions to optimize application performance, resulting in a 40% reduction in page load times and a 25% decrease in database queries per second.

Software Development Engineer (Backend)

May 2021 - Apr 2022

CIGNEX Datamatics

Bangalore

- Integrated a dependable web application using Django and PostgreSQL.
- Implemented asynchronous task processing using Celery to handle background tasks efficiently, reducing processing time by 40% and improving overall system responsiveness.
- Optimized code for performance and reliability while utilizing advanced Python design principles, resulting in a 30% reduction in application load times.

Software Development Engineer (Backend)

Sep 2018 - May 2021

Trinity Mobility PVT LTD.

Bangalore

- Engineered RESTful APIs with JWT authentication for Smart City web apps in Django & MySQL, boosting throughput by 40% and enhancing security measures.
- Authored automated testing procedures using pytest to ensure the reliability of applications.
- Collaborated closely with frontend developers to understand requirements and implement backend functionalities that meet project objectives, resulting in a 15% increase in user engagement and retention.

Access Control Application

- Prepared role-based access control (RBAC) using JWT to manage user permissions and restrict access to sensitive functionality within an API hub.
- Reduced deployment time by 50% and increased application reliability by 30% by deploying to AWS cloud infrastructure using Docker containers and implementing CI/CD pipelines via GitLab.

PROJECTS

Insta Clone[personal project]

https://github.com/avishek376/insta_clone

- This project is an Instagram clone built using Django Rest Framework (DRF) and Python, with SQLite as the database backend.
- Enhanced user engagement and security by integrating JWT authentication leading to a 30% increase in security efficiency and interactive features like following, liking, and commenting.

ACHIEVEMENTS

- Managed a 3-member cross-functional team and collaborated with business partners to achieve the successful application launch.
- Certified in Microsoft Python Technology Associate.

EDUCATION

Scaler

2023

Specialized in Software Development & Problem Solving

Coursework: Data structures and Algorithms, Low-Level Design (LLD), High-Level Design (HLD).

Maulana Abul Kalam Azad University Of Technology

2016

BE/B.Tech/BS in Computer Science | 7.99 CGPA