

Atul Goyal

SOFTWARE ENGINEER

Haryana, India | 9034193833 | atuldegr8@gmail.com

Objective

Result-oriented Software Engineer with approximately four years of hands-on experience in backend development using Python. Adept at designing, implementing, and optimizing robust backend systems. Seeking a challenging role where I can leverage my expertise to drive the success of dynamic software projects. Committed to delivering high-quality solutions while staying abreast of the latest industry trends and technologies.

Experience

Algoworks | Software Engineer (2021-Present)

- Developed and maintained robust backend systems using Python and the Django framework, ensuring scalability and efficiency.
- Optimized database models and improved query performance, resulting in enhanced system responsiveness and reliability.
- Integrated external APIs and third-party services, expanding the functionality of the software and improving user experience.
- Deployed and managed backend and frontend systems on AWS servers, ensuring seamless and secure operation.
- Contributed to the development of RESTful APIs and microservices, adhering to modern software architecture principles.
- Utilized Serverless framework for efficient and scalable deployment of serverless applications.

Projects Delivered

- **Integrated Financial Management System:** Revolutionized personal finance with a unified platform user app for income tracking, bill management, and debt analysis, paired with an admin panel for streamlined oversight. Developed using Python, Django, and modern web technologies, the system delivers seamless and comprehensive financial management experience.

Role: Backend Developer

Responsibilities:

- Developed backend logic for income tracking, bill management, and debt analysis using Python and Django.
 - Collaborated with frontend team for seamless integration between user app and backend.
 - Implemented robust authentication and authorization mechanisms for data security.
 - Designed and maintained APIs for user app and admin panel interactions.
 - Optimized data processing and storage for enhanced system performance.
- **Pet Match Dating Platform:** Redefined the dating landscape with a unique application connecting users through their pet profiles and shared interests. Users effortlessly find ideal matches, schedule dates, and explore various meet-up venues. The admin panel ensures seamless management of user and pet profiles, fostering a vibrant and safe dating community. This innovative platform, developed using cutting-edge technologies, places equal emphasis on user and pet information, providing a wholesome dating experience.

Role: Backend Developer

Responsibilities:

- Designed and implemented the backend infrastructure to support pet and user profiles, emphasizing data integrity and consistency.

- Integrated algorithms for matching users based on their pet profiles and shared interests.
 - Collaborated with the frontend team to establish smooth communication between the application and backend services.
 - Implemented user authentication and authorization systems to ensure a secure dating environment.
 - Built and configured servers, creating instances to host the backend services, ensuring reliable and scalable performance.
- **Survey and Insurance Proposal Management System:** This web application, developed using the serverless framework with Python, enables advisors to conduct surveys, store client responses, and tailor insurance proposals accordingly monitored by the admin panel with restricted access privileges, each user type can view and manage information relevant to their role, ensuring data security and confidentiality.

Role: Backend Developer

Responsibilities:

- Implemented serverless backend architecture using Python and the serverless framework for survey conduction and insurance proposal tailoring.
 - Collaborated with frontend developers to integrate survey functionalities seamlessly into the user interface.
 - Implemented access control mechanisms in the admin panel to ensure data security and confidentiality.
 - Developed and maintained APIs for communication between the frontend and backend services.
- **Mindfulness and Wellness App:** The application allows users to engage in soothing sessions designed to induce mood changes and address various factors contributing to well-being. The admin panel ensures efficient control over all data presented in the application, enhancing user satisfaction and overall well-being.

Role: Backend Developer

Responsibilities:

- Implemented backend functionalities for mood-inducing sessions and well-being features.
- Collaborated closely with frontend team for a cohesive user experience.
- Ensured secure data communication between application and backend.
- Implemented efficient data storage and retrieval mechanisms.
- Contributed to the development of APIs and backend services for admin panel control.

Technical Skills

- Programming Languages: Python, C
- Development Framework: Django, Serverless,
- Web Technology: HTML, CSS, Angular
- Database Management: PostgreSQL, SQL, Efficient database modeling, query optimization
- Cloud Computing: AWS server deployment for backend and frontend systems, S3, CloudFront, Cognito, SES
- Software Architecture: RESTful APIs, Microservices development
- Tools and IDEs: VS Code, Bitbucket, Jira, Confluence Jupiter Notebook, Raspberry Pi, Arduino, Node-MCU(ESP8266), Sublime Text, Spyder, Basecamp

Education

Seth Jai Prakash Mukund Lal Institute of Engineering & Technology, B. Tech ECE 2016