

Yasir Alee

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PROFILE

Senior Full Stack Developer specializing in Python, with over 8 years of experience in enterprise-level architecture and a robust background in startup environments. My career is characterized by a profound commitment to continuous learning and innovation. I possess extensive technical proficiency and offer consultative insights into Product Development, making me uniquely equipped to assist clients in designing intuitive application flows. My expertise extends to understanding and addressing diverse user requirements, ensuring functionality aligns seamlessly with broad business objectives. Actively seeking remote opportunities worldwide, I aim to leverage my skills to contribute effectively to dynamic and forward-thinking teams, driving meaningful impact across global projects.

SKILLS

- Python
- Django Rest Framework
- React JS
- Bootstarp
- CSS
- REST API's
- Web Scrapping
- PostgreSQL
- MYSQL / NoSQL
- Elastic Search
- Radis
- Kubernetes
- Alembic
- AWS
- Amazon Cognito
- Lambda
- Apache
- Unit Testing
- CI/CD
- TerraForm
- RabbitMQ
- Agile Methodologies
- Ubuntu
- Django
- Flask
- JavaScript
- HTML
- FAST API
- OpenCV
- MongoDB
- Maria DB
- GraphQL
- Firebase
- Docker
- SQLAlchemy
- DevOps
- Amazon Lambda
- Amazon Glacier
- GCP
- JIRA
- PyTest
- Microservices
- Kafka
- YAML
- Linux
- Git/GitHub/Bitbucket

PROFESSIONAL EXPERIENCE

Jun 2021 – present

Senior Software Engineer (Python, Django, React JS)

Technolyte

Here are some key responsibilities and skillsets that I possess as a Full Stack Developer:

- Lead junior developers with troubleshooting complex coding problems when needed.
- Possess experience in creating web applications using Python, Django, and React.js.
- Proficient in frontend and backend tech including HTML, CSS, JavaScript, and jQuery for dynamic UIs.
- Design, develop, and maintain software systems utilizing Django framework, Python, PostgreSQL, APIs, SQL, virtual environments, and backend solutions.
- Effectively manage multiple projects and provide efficient solutions using the latest technologies and tools.
- Experience with database technologies, both SQL (MySQL, PostgreSQL) and NoSQL (e.g., MongoDB, Redis).
- Communicate effectively with clients for requirements gathering and post-project support.
- Conduct unit tests and integration testing to guarantee software reliability and optimal performance.
- Develop and sustain comprehensive technical documentation, encompassing code comments and API specifications.
- Implemented modular design principles within the monolithic structure to improve code maintainability and readability.

Skills: Python, Django, Django Rest Framework, Flask, React JS, JavaScript, FastAPI, Web Scrapping, PostgreSQL, AWS.

Nov 2018 – May 2021

Full Stack Developer (Python, Django, Flask, React JS)

Rex Technologies

- Developed and maintained web applications using Python, Django, and Flask, ensuring robust backend functionality and integrating APIs for enhanced performance.
- Spearheaded the front-end development using React JS, implementing responsive design principles to optimize applications for various devices.
- Implemented comprehensive testing routines (both automated and manual) to catch and fix bugs early, improve usability, and ensure high-quality software deployment.
- Utilized SQL and NoSQL databases to manage application data, optimizing queries and schemas for better performance and scalability.
- Actively participated in the full software development lifecycle (SDLC), from requirements gathering and system design to deployment and maintenance.
- Employed version control systems like Git to manage code changes and maintain project version history effectively, ensuring seamless team collaboration.
- Led cross-functional teams through agile development processes, promoting continuous integration, continuous deployment (CI/CD), and rapid iterations.
- Analyzed site metrics and user feedback to continually refine and improve the user experience, leading to a measurable increase in user engagement metrics.
- Ensured compliance with best practices in coding standards, security, and data protection to safeguard application integrity and user privacy.

Skills: Python, Django Rest Framework, Flask, Fast API, React, JavaScript, HTML, CSS, SQL, NoSQL, Apache.

Sep 2016 – Oct 2018

Software Engineer (Python, JavaScript)

Confiz Limited

Here are some of my achievements in my previous role:

- Develop and maintain web applications using Python and JavaScript, ensuring code quality and functionality with minimal supervision.
- Collaborate with senior developers and product managers to translate software requirements into workable programming code.
- Implement responsive user interfaces for web applications using JavaScript, HTML, and CSS to improve overall user experience.

- Participate in the design and review of new features and applications, providing insights and suggestions to enhance performance and maintainability.
- Debug and troubleshoot software issues, using tools like PyCharm and Visual Studio Code to ensure smooth deployment and operation.
- Write unit and integration tests using frameworks such as Jest and PyTest to validate application functionality and minimize future errors.
- Participate in agile development processes, attending daily stand-ups, sprint planning, and retrospective meetings to ensure continuous improvement.
- Assist in the optimization of applications for maximum speed and scalability, employing best practices in code efficiency and data storage solutions.
- Continuously learn and apply new programming skills and technologies to stay current with industry trends and advancements

Skills: Python, JavaScript, HTML, CSS, jQuery.

PROJECTS

Easy Patent Search [↗](#)

Tech Stacks: Python, Django, REST, Stripe, AWS EC2, Web Sockets

Description: A cloud-based solution designed for patent matching, coupled with a comprehensive CMS (Content Management System) allows users to submit questionnaires and collaborate with patent experts, facilitating seamless tracking of the patenting process.

Zero Cheating Exam: [Education, Monitoring] [↗](#)

Tech Stacks: Python, Django, Stripe, EC2, WebSockets, PostgreSQL.

Description: The project comprises a mobile application developed with React Native, a desktop application created using Electron, and a web application built with Django. In the backend, Django is utilized across all three applications. Specifically, the desktop application captures eight photos per second during exams, ensuring the absence of unauthorized individuals, mobile devices, laptops, or any unauthorized materials in the examination room.

Nook Mart Tools/Technology [↗](#)

Tech Stacks: Python, Flask, Django, HTML, CSS, React JS.

Description: Nookmart offers a shopping platform where users can purchase Animal Crossing Bells, Furniture, Clothing, and NMTs using credit cards. The platform ensures fast and round-the-clock delivery services.

Omnidot- Sensors & SWARM

Tech Stacks : Python, Django, REST/GraphQL, AWS, Docker, Sensors, SQLAlchemy, Redis.

Description: I was responsible for maintaining and enhancing an IoT-based vibration monitoring system designed for construction sites and buildings. I played a key role in integrating new features and improving the system's capabilities. This included updating existing APIs and migrating the project to GraphQL, a more efficient and flexible data query language. Additionally, I implemented webhooks, enabling sensors to transmit data seamlessly, ensuring real-time monitoring, and enhancing overall system performance.

Recommendation System using Collaborative Filtering [↗](#)

Tech Stacks: Python, Django, Flask, Flassger.

Description: Developed a Python-based recommendation system employing matrix factorization methods for a movie recommendation app. Processed user-item interaction data, applied collaborative filtering algorithms, and enhanced user engagement by suggesting pertinent movies with a precision rate of Z%.

Telnyx Rest Server

Tech Stack: Telnyx Communications API | Flask | Rest API | MySQL

Description: I focused on developing a robust Communications API using Flask. This API, built as a RESTful service, was integral in streamlining communications, supported by a MySQL backend for efficient data management. My role was pivotal in ensuring the API's reliability and performance, catering to complex telecommunications needs.

Connect360 (Sales CRM), Web Application & Backend Services

Tech Stacks: Python, Django Rest Framework, SQL, AWS, OAuth2

Description: Connect360 is a financial application to cover the activities of different groups in the FinTech industry and attain the duties as per the designated group. Connect360 consists of Organogram, Sales, Performance Evaluation, Training, Activity Management, etc. I was associated with the application to perform the duties: Developed backend functionalities - Python, Django Rest Framework, SQL & Vertica. Building Rest APIs for frontend Angular & Flutter Apps. Executed enhancements to existing applications. Make deployments to environments (QA, UAT & Prod) - Apache. Ensuring software compliance with special standards. Liaised with external vendors in project activities.

Remote Patient Monitoring

Tech Stacks: Python, Django, HL7, Celery, REST, React, AWS, IOT, Redis.

Description: This project introduces a cutting-edge Remote Patient Monitoring system using Python Django. Remote Patient Monitoring. It's crafted to align with the dynamic requirements of contemporary healthcare. The solution integrates advanced technology with conventional patient care approaches. Emphasizing real-time health monitoring, it utilizes Python for robust backend processing. Python for robust backend Django's user-friendly features ensure a seamless experience for both providers and patients. Django's user-friendly features ensure a seamless experience for both providers and patients. Django's user-friendly features ensure a seamless experience Django's Notable functions include custom alerts, secure data transmission, and HIPAA compliance. data transmission, and HIPAA compliance.

Code Redemption Portal

Tech Stack : Python, Flask, MySQL, Custom Encryption, OAuth2

Description: This project aimed to provide a secure and user-friendly platform for redeeming codes, ensuring data integrity and confidentiality. My role focused on creating a seamless and protected portal for efficient code redemption. Flask for web development, MySQL for data management, and implementing custom encryption for enhanced security.

EDUCATION

Sep 2016 – Aug 2020
Lahore, Pakistan

Bachelors in Computer Science
The University of Lahore

LANGUAGES

English

Urdu