Balakrushn Koladiya

balkrushn.sk@gmail.com
(+91 9428889447)

CAREER OBJECTIVES

A dedicated full-stack developer with over six years of experience, specializing in Python (Django, Flask, FastAPI), JavaScript, and SQL. Skilled in building scalable, high-performance web applications using modern frameworks and microservices architecture. Adept at cloud platforms such as AWS and Azure and managing databases like MySQL, PostgreSQL, and MongoDB. Passionate about delivering innovative, client-centric solutions with a strong focus on collaboration and best practices.

SUMMERY

- Over six years of experience in building efficient, scalable web applications with Python, JavaScript, and SQL.
- Expertise in back-end frameworks like Django, Flask, FastAPI, and front-end technologies such as React.js, Node.js, and JavaScript.
- Delivered successful projects across diverse domains like e-learning, cloud services, decentralized finance, and HR management.
- Skilled in managing databases such as MySQL, PostgreSQL, and MongoDB, with cloud platforms including AWS and Azure.
- Proficient in developing RESTful APIs, microservices, and leveraging Docker for containerized deployments.
- Experienced in leading cross-functional teams, ensuring smooth project execution and timely delivery.
- Adept at using tools like Postman, Git, and Jira for version control, API testing, and project management.
- Committed to continuous learning, with a focus on innovative and efficient client solutions.

KEY SKILLS

Programming Languages: Python, JavaScript, SQL
Python Frameworks: Django, Flask, FastAPI
Databases: MySQL, PostgreSQL, MongoDB
Cloud Platforms: AWS, Azure
Data Science Libraries: Pandas, Scikit-learn
Web Development: HTML, CSS, JavaScript
Others: Postman, Solr, Zoom, Skype, Microservices, Docker

Web Services: Django REST Framework, Flask web services
REST API: HTTP, Dio
OS and Networking: Ubuntu, Windows 10, Mac OS
Storage Management: Shared Preferences, Get Storage
Firebase: Real-time Database, Firestore, Firebase Auth
Version Control: Git, GitHub
Work Management: Jira, Ora

WORK EXPERIENCE

Sr. Software Developer, Ethnic Infotech (Jan 2023 - Present)
- Built scalable backends using Django, Flask, and FastAPI, optimizing API performance for real-time data handling. Integrated AWS services and MongoDB for secure data storage and seamless cloud functionality.

Fullstack Developer, Evenmore Infotech Pvt. Ltd. (Jun 2020 - Dec 2022)
- Developed AI-powered APIs for job matching and travel recommendations, using Scikit-learn and Docker.
- Built and optimized databases, integrating Redis for real-time functionality and performance improvements.

Jr. Web Developer, Evince Infotech (June 2018 - May 2020)
- Built secure APIs and optimized backends for document management and medical records using Django, Flask, and AWS S3.
- Ensured efficient performance using Redis and Docker containerization for scalable deployments.

EDUCATION

- **Bachelor of Technology -** RK University, Rajkot, Gujarat (2016-2020)
- **12th GHSEB -** Gujarat Bhavnagar, Gujarat. (2016)
- **10th GSEB -** Gujarat Suart, Gujarat. (2014)

LANGUAGES

- English | Gujarati | Hindi

PROJECTS

Smart Healthcare Management System   (Jan 2023 – Present)

A web-based platform that streamlines hospital and clinic operations, providing tools for appointment booking, patient record management, and billing, with real-time consultations.

Technologies Used: Python, Django, FastAPI, AWS (EC2, S3), PostgreSQL, Redis, Docker.

My Role:

- Developed the backend using Django and FastAPI for real-time patient-doctor communication and data handling.
- Integrated AWS S3 for secure patient data storage and AWS EC2 for hosting.
- Implemented Django REST Framework to design scalable APIs, ensuring seamless interaction between frontend and backend.
- Managed patient and appointment data using PostgreSQL, and optimized performance with Redis caching.

CrowdLearning Platform   (Jan 2023 – Present)

An e-learning platform enabling users to create, share, and collaborate on educational modules with interactive content and real-time updates.

Technologies Used: Python, Django, Flask, MongoDB, Docker, Firebase Auth, REST APIs, WebSocket.

My Role:

- Developed a scalable backend with Django and Flask, designing RESTful APIs for user registration, content creation, and collaborative editing.
- Integrated MongoDB for dynamic storage and retrieval of course materials and Firebase Auth for secure authentication.
- Utilized Docker for containerization, ensuring consistent development environments.
- Optimized API performance with FastAPI for faster content delivery and real-time updates.

Job Matching Platform using AI   (Jun 2020 – Dec 2022)

An AI-powered job portal that matches candidates with employers based on skill and job requirements using machine learning.

Technologies Used: Python, Django, Flask, Scikit-learn, MySQL, Redis, AWS (EC2, S3).

My Role:

- Developed AI-powered matching algorithms using Scikit-learn.
- Designed and exposed RESTful APIs for job listings and user profiles.
- Managed databases using MySQL and optimized queries with Redis caching.

IoT-based Home Automation System   (Jun 2020 – Dec 2022)

A smart home platform that allows users to remotely control home appliances via a web and mobile app, integrating IoT devices for seamless automation.

Technologies Used: Python, Flask, Django, Docker, Firebase Realtime Database, MySQL, AWS Lambda.

My Role:

- Designed the backend with Flask and Django, creating RESTful APIs to communicate with IoT devices via HTTP protocols.
- Leveraged Firebase Realtime Database for real-time synchronization between the mobile app and IoT devices.
- Utilized Docker for containerization and AWS Lambda for serverless computing to handle on-demand functions.
- Implemented MySQL and MongoDB for efficient data storage and logging of device activity..

Travel Recommendation System   (Jun 2020 – Dec 2022)

A web platform that generates personalized travel itineraries based on user preferences and historical travel data using machine learning algorithms.

Technologies Used: Python, Django, Flask, Scikit-learn, PostgreSQL, AWS (S3, EC2), Redis.
My Role:

- Developed APIs for fetching travel recommendations and user preferences.
- Utilized Scikit-learn for personalized travel recommendations.
- Managed user and location data with PostgreSQL and used Redis for caching frequently accessed data.

Document Management System   (Jun 2018 – May 2020)

A cloud-based platform that enables businesses to upload, manage, and share documents securely, with features like OCR, version control, and automated classification.
Technologies Used: Python, Django, Flask, MySQL, AWS S3, Redis, Docker, REST APIs.
My Role:

- Designed backend architecture with Django and Flask, incorporating OCR for document processing.
- Integrated AWS S3 for secure document storage and retrieval, and Redis for caching to improve performance.
- Developed RESTful APIs for document management and sharing, ensuring high security and accessibility.
- Conducted rigorous testing for performance, scalability, and security.

E Medical Records Solution   (Jun 2018 – May 2020)

A digital system for booking appointments, managing patient records, pharmacy and lab billing, and staff details. Provides unique IDs for each patient and offers search functionality for doctor availability and room status.
Technologies Used: Python, Django, MySQL, GIT, REST APIs
My Role:

- Developed backend using Django, creating APIs and managing the database.
- Implemented CRUD operations and handled code integration via GIT.
- Collaborated with front-end developers for seamless integration.
- Provided technical assistance and performance tuning for the application.