

# Osama Sandhu

## Full-Stack Developer

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📍 Multan, Pakistan

### Profile

As a Full Stack developer, I bring a comprehensive set of skills, encompassing front-end and back-end development with a specialization in Python. With a keen sense of problem-solving, my primary goal is to analyze complex challenges and design innovative solutions that bridge the gap between user needs and technical requirements. By leveraging my expertise and an unwavering pursuit of excellence, I strive to deliver impactful results that enhance the user experience and foster business success.

### Skills

JavaScript	● ● ● ● ●	NodeJS	● ● ● ● ●
Python	● ● ● ● ●	Dart	● ● ● ● ●
TypeScript	● ● ● ● ●	NestJS	● ● ● ● ●
VueJS	● ● ● ● ●		

### Education

<b>BS Computer Science</b>	2014 - 2018
<i>NFC Institute of Engineering &amp; Technology</i>	Pakistan

### Professional Experience

<b>Fast Solutions</b>	2016 - 2018
<i>Software Development Intern</i>	Pakistan

During my internship as a Software Development Intern, I actively contributed to software development tasks. I assisted in coding, testing, and debugging software applications under the guidance of senior developers. I also collaborated with the team on implementing new features, conducted research, and actively participated in code reviews and troubleshooting activities.

<b>3f Technologies</b>	2018 - 2020
<i>Entry-level Software Developer</i>	Pakistan

- Participated in requirements gathering and analysis, translating user requirements into technical specifications and implementing them through clean and well-documented code.
- Actively researched emerging technologies and programming languages.
- Implemented new software features and functionalities based on user requirements.

- Assisted in the development of automated test scripts and performed software testing to validate functionality, identify defects, and ensure software reliability.
- Assisted in the development of algorithms and data structures to solve complex programming problems efficiently and optimize software performance.
- Utilized Python's object-oriented programming capabilities to design and implement reusable and modular code components, promoting code maintainability and reusability.
- Integrated Python applications with databases, such as MySQL or PostgreSQL, by utilizing SQLAlchemy or other relevant libraries to store and retrieve data.

## **SparkoSol**

2020 - present

*Senior Software Developer*

Pakistan

- Designed and implemented RESTful APIs, integrating various systems and services.
- Architected and implemented scalable and robust APIs using Python frameworks.
- Resolved critical production issues, debugged complex code, and provided timely and effective solutions to ensure system stability and user satisfaction.
- Designed and implemented secure authentication and authorization mechanisms.
- Utilized cloud platforms like AWS or Azure to deploy and manage scalable and highly available web applications, leveraging services like EC2, S3, or RDS.

## **Projects**

### **ITS Stock**

Created a mobile application for efficient inventory management, utilizing Python to develop RESTful APIs. This project empowered businesses to easily track inventory levels, manage product information, and process orders on the go.

### **Service My Woody**

Designed and implemented a comprehensive car services project, leveraging Python for building RESTful APIs and a mobile application. This innovative solution empowered car owners to conveniently schedule appointments, access vehicle maintenance records, and receive real-time updates on service progress.

### **UrbiHunt**

Created an exciting project that allows users to play a physical game by visiting different locations and exploring their surroundings. Using Node.js for building RESTful APIs and a mobile application, this project lets users interact with the game, solve challenges, and give answers based on what they discover in the real world.

### **rRest**

Developed a user-centric project that provides a platform for accessing meditation and mindfulness activities while effectively managing daily routines.

## Certificates

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**Programming with JavaScript** (Offered by Meta from Coursera)

**100 days of Code: The complete Python Pro Bootcamp** (Udemy) • **NodeJS - The complete guide** (Udemy)

## Interests

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Coding challenges • Open source projects • Learning a new language • Taking up a new sport  
Building projects