

SHIVAJI LAWARE

Backend Developer

★ Portfolio

in LinkedIn

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</> Hacker Rank

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📍 Pune, India, 411033.

Innovative Backend Developer with 3 Years of Experience at TCS, Expert in Python Flask, Java Spring Boot, Database and Angular, with a proven track record of optimizing system performance and delivering impactful solutions. Recognized for enhancing efficiency by 40% and managing complex APIs. Adept in Agile/Scrum methodologies, version control with Git and Bitbucket, and deployment using OpenShift. A customer-focused, performance-driven professional eager to contribute coding expertise and dynamic collaboration to a creative and success-oriented team.

EXPERIENCE

Tata Consultancy Services Ltd.

📅 09/2021 – Present

📍 Pune, India.

Python Backend Developer

- ✓ **Enhanced system performance by 40%** through strategic improvements in **Python Flask APIs**, resulting in faster response times and increased efficiency.
- ✓ Managed the **backend** for an **internationally** recognized “**Truck Fill-Rate Measurement Tool**”, awarded “**Transport Innovation of the Year**” at the “**Parcel and Postal Technology International Awards 2022**”. Utilized data from **AI-driven** truck utilization application to deliver comprehensive **insights** and optimize truck utilization in the **Nordic region**.
- ✓ Developed and integrated complex backend APIs for “**Truck Utilization Insights Tool**”, and **collaborated with the UI team** to implement Gantt and sunburst charts in **Angular** for effective data visualization.
- ✓ Developed and managed an optimized “**Slot-Timing Allocation System**” for truck trailers, reducing waiting times and improving logistics efficiency.
- ✓ Developed a **backend system** for an E-commerce client **to visualize upcoming parcel trips** on terminals, using **Angular** for a responsive frontend and boosting client satisfaction.
- ✓ Managed data operations across **Sweden, Finland, Norway, and Denmark**, ensuring seamless cross-border functionality.
- ✓ Engaged directly with clients from “**E-commerce, Logistics, Travel Transport, and Hospitality**” domains to understand needs and deliver tailored solutions.
- ✓ Contributed to **Agile Scrum** processes, including **sprint planning, daily standups, and retrospectives**, facilitating efficient project execution.
- ✓ **Trained new associates in backend development**, supporting team growth and knowledge sharing.
- ✓ Utilized **Bitbucket** and **Git** for **version control**, and deployed applications using **OpenShift** to streamline deployment processes and manage environments.

Python Automation Developer

- ✓ Developed and **implemented an automated workflow using Python Flask and Pandas** to replace a previously manual process, resulting in a remarkable **95% increase in productivity**.
- ✓ Designed and implemented a user-friendly dashboard using **Angular**, providing **real-time insights** and enhancing overall visibility into the automated process, contributing to the significant **boost in operational efficiency**.

Java Spring Boot Backend Developer

- ✓ **Developed and implemented** complex APIs using **Java Spring Boot**, demonstrating proficiency in designing and building robust backend systems.
- ✓ Collaborated with **cross-functional teams** to understand project requirements and deliver tailored **Java Spring Boot** solutions. Fostered effective communication between **backend and frontend** teams to ensure seamless integration and project success.

PERSONAL PROJECTS

TOM Numerical and Graphical Analysis Software

- ✓ Led the development of software to simplify the Theory of Machines, providing graphical and analytical solutions with high accuracy. The software offered a quick and optimal graphical representation of cam and follower mechanisms.
- ✓ *Technologies Used: Python, Pandas, Tkinter, Matplotlib, NumPy, Jupyter.*

IoT and AR-Based Compound Pendulum Automation System

- ✓ Developed an advanced system integrating IoT and AR to automate compound pendulum experiments, enhancing precision and efficiency. Designed an Android application for real-time monitoring and utilized augmented reality for improved visualization.
- ✓ *Technologies Used: AR, Unity, Python, Google Firebase, C#, Digital Twin, Solidworks, Raspberry Pi4 and Sensors.*

Posture Corrector and Wrong Posture Alert Device

- ✓ Developed a lightweight IoT wearable device for posture correction with Bluetooth data transfer and an Android app. *Technologies Used: Ino Programming, MIT App Inventor, ESP32, and sensors.*

TECHNICAL SKILLS

Tech Stack: Back-End, REST API's, Microservices.

Programming Languages: Python, Java, SQL, JavaScript, HTML, CSS, JSON.

Frameworks: Flask, Spring Boot, AngularJS.

Libraries: Pandas, NumPy, Scikit Learn, Matplotlib.

Tools & Platforms: Git, Bitbucket, OpenShift, Azure, JIRA, Swagger, Postman, Eclipse, VS Code, PyCharm, Jupyter, SSMS, PostgreSQL, pgAdmin.

Additional Basics: Data Science, Machine Learning.

SOFT SKILLS

- Agile / Scrum Proficiency
- Analytical and Logical Thinking
- Adaptability and Flexibility
- Collaboration and Teamwork
- Creativity and Innovation

ACHIEVEMENTS

- Got “**Best Performer of The Year 2023**” award from TCS. (*One given for extraordinary performance*)
- “**On The Spot Award**” for **Truck Utilization Insight's** tool development. (*TCS & Customer*)
- **Fresco Play Hackathon Winner** at **TCS international level**. (*TCS*)

EDUCATION

Bachelor of Engineering 📅 2021
Sanjivani College of Engineering (Pune University).

Diploma in Engineering 📅 2018
(Maharashtra State Board of Technical Education, Mumbai).

CERTIFICATES

- DP 900 Microsoft Azure **Data Fundamentals** ([Microsoft](#))
- AZ 900 Microsoft **Azure Fundamentals** ([Microsoft](#))
- Python for **Data Science** ([IBM](#))
- Python **Data Structures** ([Coursera](#))

LANGUAGES

English | Hindi | Marathi