Sachin Baghel

Software Engineer

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Introduction

Experienced software engineer with a strong background in backend development and SAP test automation. Over 3 years of hands-on experience with Python, Django, JavaScript, and TOSCA in delivering high-performance applications and tools.

Experience

Gurugram
Aug 2022 – Present **Software Engineer**
Volkswagen Group Technology Solutions India

- Built web applications using Django.
- Improved API performance using Celery and Redis for parallel processing.
- Developed internal tools in Python to automate repetitive tasks.
- Created interactive application using Python and JavaScript.
- Automated SAP GUI and SAP Fiori testing with TOSCA, using DEX for parallel execution.
- Extended TOSCA with Python and VBScript; aligned tests with SAP Solution Manager.
- Promoted best practices and mentored team members on TOSCA and Jira workflows.

Personal Projects

https://github.com/baghelsachin47/HexMail **HexMail**

- Discord bot that integrates Gmail for real-time notifications.
- Used multiprocessing with Pub/Sub and Discord API.
- Built using Discord.py, GCP, and Gmail API.

https://github.com/baghelsachin47/EndlessRunner **Endless Runner**

- Endless runner game inspired by Subway Surfer.
- Built in Unreal Engine using Blueprints.
- Included increasing difficulty and random obstacles.

https://github.com/baghelsachin47/Blog **Blog Website**

- Django-based blog with user authentication, post/image uploads.
- Front-end: HTML, CSS, Bootstrap; Back-end: Django, SQLite.

Other Projects

- **Multi-School Management System:** Tracks attendance of students, teachers and staff members for multiple schools. Stack: Django, PostgreSQL. https://github.com/baghelsachin47/SchoolManagementSystem
- **File Share:** Local network file-sharing with multiprocessing. Built with Python and Kivy. https://github.com/baghelsachin47/FileShare
- **Tic Tac Toe AI:** AI vs Player CLI based game with Min-Max Algorithm. https://github.com/baghelsachin47/Tic-Tac-Toe-Game

Technologies

Languages: Python, JavaScript, SQL, HTML, CSS
Frameworks/Tech: Django, Numpy, Pandas, MatPlotLib, PostgreSQL, Bootstrap, Tailwind CSS, Power Apps, Power Automate
Tools: Git, VS Code, Unreal Engine 5, TOSCA, SAP SolMan, Jira, Confluence

Education

2018 – 2022 **B.Tech, Computer Science**
Dr. A. P. J. Abdul Kalam Technical University, Lucknow

2016 – 2018 **Intermediate (12th Grade)**
KDB Public School, Ghaziabad

2013 – 2014 **High School (10th Grade)**
Ingraham Institute English School, Ghaziabad

Skills

- Communication, Teamwork, Adaptability, Problem-Solving, Time Management, Creativity

Interests

- Cycling, Table Tennis, Badminton, Computer Gaming