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Balram Singh

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<https://github.com/bobzila1202>

A highly motivated software engineer with experience deploying projects and working on teams looking for a new challenge. Constantly working on projects and eager to develop my skills to a higher degree. Outside of my tech life I am a huge advocate for physical fitness and have niche hobbies such as powerlifting and playing pc games.

Key Skills

- **Languages:** Python, JavaScript, HTML, CSS, SQL
- **Frameworks and Libraries:** React, Node.js, Express.js, Flask, Jest, SuperTest, Vitest, Pytest
- **Tools:** Git, Docker, CI/CD, Test Automation, SQLAlchemy, MongoDB
- **Soft Skills:** Adaptability, Collaboration, Communication, Resilience

Projects

TrashToTreasure: | <https://trashtotreasure.onrender.com/>

- Spearheaded the development of TrashToTreasure web app using agile methodology with a team of 5
- User interface was built using **JavaScript/HTML/CSS**
- Implemented an authentication system, personal listings feature, and an integrated commenting system all using **Node.js** and **Express** to setup a backend that uses **RESTful API**

Refactory: | <https://github.com/bobzila1202/backend/>

- Worked in a team of 5 using agile methodology to create an interactive coding learning game with the aim of teaching players the language **Python**
- Developed randomized encounters, a scoreboard with data being tracked by using **SQL**
- Implemented a login system for users managed with **RESTful API** and a backend built with **Node.js** and **Express**

SzndChef: | <https://szndchef.netlify.app/>

- Architected and executed the creation of SzndChef, a dynamic full-stack seasonal recipe website
- Led a team of 5 in an agile environment
- leveraged **SQLAlchemy** for efficient data management and **React** for an immersive user interface
- A complex backend written using **Python** in a **Flask** framework
- Achieved 90% coverage with test automation using **Pytest** and **Vitest**

Work Experience

Software Engineer Trainee

La Fosse

Jul 2023 - Oct 2023

London, United Kingdom

- Completed a 12-week intensive training program in web development, architectural thinking, and infrastructure whilst building full-stack projects.
- Took charge of code structure and enforced clean code and orthogonality, while embracing Agile methodologies and collaborating within teams of 5.
- Successfully Handled back-end and front-end automated testing for React, JavaScript and Python achieving high test coverage of 90% or more, building confidence for my team in the application being developed.

Sales Associate	Footlocker London, United Kingdom	Oct 2022 - Dec 2022
<ul style="list-style-type: none"> Achieved established goals set by management without issue by adhering to my own goals set and through time management. Worked effectively within a team and in some cases taking leadership to distribute work-load when necessary, achieving team KPI and store sales target for the day. 		

Education and Certifications

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| • Software Development Course , La Fosse Academy | Jul 2023 - Oct 2023 |
| • A levels (Maths & Chemistry) , Chobham Academy Sixth Form | Sep 2014 - Jul 2016 |

Volunteer work

Peer support worker	SLAM NHS London, United Kingdom	Jul 2022 - Sep 2022
<ul style="list-style-type: none"> Gained insight on how to communicate effectively with individuals, fostering deeper connections and mutual understandings in various settings. Took the initiative if problems arose when dealing with sensitive issues, effectively resolving them and providing support to my team and peers. Effectively reached out to colleagues or supervisors for support when necessary, collaborating with them to aid peers on their personal growth. 		