

Balram Singh

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SKILLS

- **Languages:** Python, JavaScript/JSON, TypeScript, HTML/HTML5, CSS, SQL (PostgreSQL/MySQL/MongoDB)
- **Frameworks and Libraries:** ReactJS, NodeJS, Express.js, Flask, SQLAlchemy, Jest, Pytest
- **Tools:** Git/GitHub, Docker, CI/CD, Test Automation, Postman
- **Soft Skills:** Adaptability, Collaboration, Communication, Resilience, Problem-solving, Analytical, Organised

PROJECTS

TrashToTreasure | <https://trashtotreasure.onrender.com/> | [GitHub](#)

- Spearheaded the development of TrashToTreasure web app using agile methodology with a team of 5.
- Crafted 1000+ lines of JavaScript/HTML/CSS written to provide an incredible user experience with front end design.
- 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 | [Back End](#)

- Collaborated with a team of 5 using agile web development methodology to create an interactive coding learning game with the aim of teaching players the language Python.
- Developed randomized encounters, a scoreboard tracked with data management 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/> | [Front End](#) | [Back End](#)

- Architected and executed the creation of SzndChef, a dynamic full-stack seasonal recipe website with a responsive design.
- Led a team of 5 in an agile environment whilst using Git/GitHub for version control to ensure smooth application development.
- Leveraged SQLAlchemy for efficient database management and React for an immersive user interface.
- Designed a complex backend coded using 500+ lines of Python in a Flask framework.
- Achieved 90% coverage with test automation using Pytest and Vitest through unit and integration testing.

WORK EXPERIENCE

La Fosse Academy

Jul 2023 – Oct 2023

Software Engineer Trainee

- Graduated from a 12-week intensive training program in web design and software development, architectural design, and coding infrastructure whilst building full-stack projects.
- Took charge of code structure and enforced clean code and maintained coding standards, while embracing Agile methodologies and collaborating within teams of 5.
- Successfully executed back-end and front-end unit and integration testing for React, JavaScript and Python achieving high test coverage of 90% or more, building confidence for my team in the application being developed.

Footlocker

Oct 2021 – May 2023

Sales Associate

- Operated effectively within a team, occasionally taking leadership to distribute workload when necessary, achieving team KPI and increasing store sales by 10%.

EDUCATION AND CERTIFICATIONS

La Fosse Academy

Jul 2023 – Oct 2023

Software Engineering Training

Chobham Academy Sixth Form

Sep 2014 – Jul 2016

A levels Maths and Chemistry, AS physics, AS Accounting