

Reece Turner

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PERSONAL PROFILE

With a background in various Software technologies and industries, this individual is eager to improve services for clients, discovering and solving complex problems with confidence. They have a proactive mindset, always open to communicating with others and offering solutions even if it's not their idea or the best. In their spare time, they develop Software Applications from High-Level to Low-Level design and implementation to expand their knowledge base of the craft.

WORK EXPERIENCE

Kitchen Porter, Mitchell and Butlers PLC

JUL 2023 – SEP 2024

Bristol, England

- Collaborated with a small team managing daily operations under fast conditions and throughput, **increasing sales to £98000/week**. Followed structured procedures for preparing food, such as the First-In-First-Out (FIFO) principle - analogous to **memory management**.
- Applied Health and Safety protocols (COSHH, **Fire Safety**, and HACCP) ensuring food hygiene and environments were safe to work in.

Kitchen Porter, Butcombe Brewing Co.

MAR 2023 – JUL 2023

Bristol, England

- Worked within a team of 7 individuals, managing fast-paced environments, **minimising backlogged tasks**.
- Efficiently carried out intermediate tasks, while prioritising primary issues such as disposing waste and refilling chemicals, showing diligence.

Network Technician, Next Theme

FEB 2022 – MAY 2022

Weston-Super-Mare,
England

- Configured a PowerEdge R360, on RAID 1, to support data storage over a LAN.
- **Ubuntu 16** installed and setup administrative accounts for the company to have role-based access controls.
- Assembled and configured 5+ legacy Desktop PCs, installing **Windows OS** and necessary drivers to ensure seamless connectivity to the Server over RJ45 Cat5e Ethernet cables.

Software Developer, Space Bar

JAN 2022 – FEB 2022

Weston-Super-Mare,
England

- Created 2+ static websites as part of Weston College's Student-Led Web Development initiative; increased client retention by 14%.
- Deployed client sites on 2+ DNS Servers, secured using **SSL** certificates, to improve accessibility.

EDUCATION

BSc (Hons) Computer Science, *University of the West of England*

- Predicted First Class Honours Degree.

AUG 2022 – JUL 2025

Bristol, England

BTEC Level 3 Extended Diploma, Computing, *Weston College*

- Attained a distinction grade of D*D*D.

JAN 2020 – JUN 2022

Weston-Super-Mare,
England

PROJECTS

Portfolio Website - ReeceTurner.com

2025 – 2025

- Designed several User Interfaces in **Figma**, and built them in **React** with **Tailwind CSS** to improve the **UX**.
- Integrate production deployments of Git commits using **Vercel**, thereby streamlining information access.

Rapid Application Development Engine

2024 – 2025

- Structured a Kanban **Agile methodology** to follow a logical process regarding requirements, design, implementation, and testing.
- Designed and developed a Low-Code Application Platform using **React** with **TypeScript** and **NoSQL** databases, enabling non-technical users to build 10+ custom Desktop Applications, incorporating the Agile RAD methodology.

2024 – 2025

Enterprise Machine-Learning-as-a-Service

- Coordinated and **implemented 11 Back-end APIs** and **microservices** for managing **Stripe** payments, **Twilio 2FA**, **JWT** authentication, **ML model** predictions, and 30+ test users.
- Led the implementation of 7 Front-end pipelines to provide connectivity with the Back-end utilising **Axios**.
- Managed project workflows, utilising **Scrum** on **Atlassian Jira** to coordinate **4 sprint cycles for 5 team members**.

2023 – 2024

Artificial Intelligence - Genetic Algorithms

- Innovated a probabilistic algorithm to predict the best candidate within a genome pool over 250 Generations.
- Authored a Grid Search Cross-validation (GCV) to determine optimal hyperparameters from Population Size, Generations, Mutation Rate, and Mutation Step.

2023 – 2023

Arduino R3 Communication Protocol

- Assembled hardware components on a breadboard, connecting a Light-Emitting-Diode (LED) to phototransistors, encoding Light signals into hexadecimal values.
- Extended the Protocol with a Liquid-crystal-Display (LCD) and sensor to calculate the reflection of a sound wave from objects at a distance.

Game Server - Codex Realms

2019 – 2024

- Assigned a Domain Name to an IP Address, increasing new player connections by 250%.
- Developed an optimised **Java**-based Server runtime for improving playability, reducing memory issues by 35%.
- Implemented and configured 10+ custom plugins to streamline **User Experience (UX)**.
- Hosted on a **Pterodactyl** containerised instance, allowing the expansion of **Distributed Servers** through a **proxy**.