

REECE DAVIES

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FULL STACK DEVELOPER

Full Stack Developer with a **BSc in Computer Science** and **MSc in Management**, combining application development experience with professional experience supporting and debugging an enterprise insurance platform. Skilled in **C#/.NET, Python, JavaScript, React and SQL**, with experience investigating issues involving system configuration, XML/Python rating scripts and root-cause analysis. Built applications across full-stack web development, desktop software and machine learning, alongside a published mobile app. Strong foundation in object-oriented programming, software design and technical problem-solving.

TECHNICAL SKILLS

Languages: C#, Python, JavaScript, SQL, PHP, Java

Frameworks & Libraries: .NET, React, Node.js, Express.js, Next.js, Tailwind CSS

Databases & Data: REST APIs, SQL databases, MongoDB, Pandas, NumPy

Machine Learning: TensorFlow, scikit-learn

Tools & Practices: AWS, Git, Docker, Agile

EXPERIENCE

Digital Service Desk Developer

Jun 2025 – Present

Insync Insurance

- Diagnose and troubleshoot issues with ICE Policy, an insurance software platform, including system configuration, XML/Python rating scripts, document generation and analytics requests.
- Investigate software issues to identify root causes, propose solutions for approved changes, and escalate complex issues to internal developers or third-party vendors.
- Manage and resolve user support tickets through YouTrack, maintaining accurate records and supporting system integrity and compliance.
- Collaborate with internal teams to investigate recurring issues and support proposed system enhancements.

Operations Technician

Feb 2024 – Jun 2025

Insync Insurance

- Improved internal processes and authored process documentation, including a streamlined New Starter and Leaver workflow for managers, Operations and third parties.
- Collaborated with management to refine Acturis configuration and templates, improving the consistency and cost-effectiveness of SMS, email and document communications while supporting compliance.
- Supported Accounts and Credit Control with API user policies, refund requests and shortfall claims.
- Monitored system alerts, coordinated hardware distribution and maintained software updates to support day-to-day business operations.

Cyber Security Analyst (IT Industrial Placement)

Jul 2019 – Jun 2020

Met Office

- Worked within the Cyber Security Operations Centre (CSOC), monitoring and logging the security of internal systems and supporting the investigation of potential security threats.
- Contributed to the deployment of the Logging, Monitoring and Alerting (LMA) project, using the Elastic Stack to search, analyse and visualise large volumes of system data.
- Supported the Cyber Security team's ability to identify and investigate potentially malicious activity by helping make relevant system information more accessible through centralised monitoring and analysis.

PROJECTS

SafeGaze — Sports Facility Observation System | *PHP, SQL*

[Code](#) | [Walkthrough](#)

- Developed a sports facility observation system as a final-year BSc Computer Science project in collaboration with Exeter Trampoline Academy.
- Built a platform designed to allow parents to remotely view sports sessions during pandemic restrictions, supporting club members with account setup and troubleshooting.

LoveBites — Recipe Management Web Application | *Next.js, Firebase, Tailwind CSS*

[Code](#) | [Live Demo](#)

- Developed a recipe management web application that enables users to organise recipes and create shopping lists around planned meals.
- Integrated Firebase into a Next.js application, connecting frontend functionality with backend services.

Machine Learning — Handwriting Recognition | *Python, NumPy, scikit-learn, TensorFlow, Pygame*

[Code](#)

- Developed a Python application that recognises handwritten characters using a machine learning model and a custom graphical interface.
- Implemented an interactive drawing interface that allows users to submit handwritten characters and view the model's predictions.

Ant Colony Simulation | *C#, .NET*

[Code](#)

- Developed a C# simulation modelling ant behaviour in response to nearby food sources and neighbouring colonies.
- Explored how interactions between simulated agents and their environment produce collective behaviour.

Inventory-Sync — Inventory Management Application | *React, Node.js, Express.js, MongoDB*

[Code](#) | [Live Demo](#)

- Built a full-stack inventory management application using the MERN stack, implementing JWT-based authentication and inventory management functionality.
- Developed features for categorising assets, assigning custom statuses, and displaying inventory in structured tables with real-time updates.

EDUCATION

University of Exeter Business School

MSc Management – Merit

Sept 2021 – May 2022

Exeter, UK

University of Plymouth

BSc (Hons) Computer Science – 2:1 (Upper Second Class)

Sept 2017 – June 2021

Plymouth, UK

CERTIFICATIONS

Google AI Essentials

Google

2026

PENDING CERT

Company

2026

References available upon request.