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[GitHub](#) | [Linkedin](#) | [Email](#) |[Portfolio](#)

FULL STACK SOFTWARE ENGINEER

Blockchain Developer with hands-on experience building decentralised applications and smart contracts using Solidity, Hardhat, and React. Skilled in designing secure and scalable blockchain solutions, with proven success delivering NFT marketplaces, lending dApps, and ERC-20 tokens. Brings strong problem-solving skills and a passion for decentralised technologies to collaborative, innovation-driven teams.

KEY SKILLS

| Javascript | React | Redux | Solidity | Hardhat | Smart Contract Development | Git | Decentralised Applications |

EXPERIENCE

Independent Blockchain Developer
Remote | 2023 – Present

- Designed and deployed multiple decentralised applications (dApps) using **Solidity, Hardhat, React, Redux, and Ethers.js**.

- Built and tested secure smart contracts across **ERC-20, ERC-721, and ERC-4626** standards following OpenZeppelin documentation.

- Created an **RWA Luxury Watch DeFi App** enabling NFT tokenisation of luxury watches for collateralised borrowing and fractional ERC-20 trading.

- Developed full-stack **NFT Marketplace** and **Lending App** integrating **MetaMask** for user authentication and on-chain interaction.

- Explored Web3 automation and AI integration using **n8n** to enhance user workflows.

Risidio | Blockchain Developer Intern
Remote | June 2024 – September 2024
Risidio is a blockchain software development company building decentralised applications for creative and financial use cases.

- Contributed to blockchain prototype development for grant proposals, demonstrating project feasibility and innovation.

- Designed and tested Solidity smart contracts with a focus on transaction security and gas optimisation.

- Collaborated with developers and designers to deliver full-stack features using **React, Node.js, and Hardhat**.

- Supported deployment of prototype dApps on test networks to validate core features.

Gravells Kia Swansea | Senior Sales Executive
Swansea, UK | June 2015 – June 2024
Gravells is a leading Kia dealership selling new and used vehicles across B2B and B2C markets.

- Consistently achieved and exceeded annual sales targets, contributing to top dealership performance in the

region.

- Built and maintained strong client relationships, driving repeat business and customer loyalty.

- Managed full sales cycles — from lead generation and negotiation to closing and after-sales support.

- Collaborated with management and marketing teams to improve customer experience and sales efficiency.

TECHNICAL PROJECTS

RWA Luxury Watch DeFi App | GitHub: *https://github.com/Adz30/watches-rwa-app* | *video demo: https://youtu.be/5ZEDs8Xoaak*

- Developed a decentralised finance (DeFi) platform that tokenises luxury watches as NFTs, enabling users to use them as collateral for borrowing or earning through lending.

- Implemented an **NFT fractionalisation feature**, converting NFTs into ERC-20 tokens for participation in **liquidity and trading pools**.

- Built secure and efficient smart contracts in Solidity with Hardhat testing and deployment workflows.

- Developed the frontend in React and Redux for smooth user interaction, integrating Ethers.js and MetaMask for blockchain connectivity.

- Designed the platform architecture to demonstrate the potential of **Real-World Asset tokenisation** in decentralised finance ecosystems.

Lending App | Live Demo: https://lendingapp.on-fleek.app/ | GitHub: https://github.com/Adz30/Lending_APP

- Developed a full-stack borrowing and lending decentralized application (dApp) leveraging ERC-4626 standards.
- Engineered robust smart contracts with comprehensive testing using Hardhat.
- Built the responsive frontend using React and Redux, ensuring seamless user interaction.
- Integrated Metamask for secure transaction approvals and on-chain actions.

NFT Marketplace | GitHub: https://github.com/Adz30/NFT_marketplace

- Designed and implemented an ERC-721 compliant NFT marketplace, enabling users to buy and sell digital assets.
- Authored secure smart contracts and comprehensive tests for token and exchange functionalities using Solidity and Web3.js.
- Utilized Hardhat to generate accounts and execute extensive unit tests for transaction integrity.
- Developed the full-stack application with React for both frontend and backend components.
- Enabled Metamask connectivity for seamless interaction with the exchange on a local blockchain.

EDUCATION

Dapp university remote, Full Stack Web Development, solidity and JavaScript program 2024

Neath Port-Talbot college Pontardawe, Swansea lv2 motor vehicle repair 2023