

Ruben Dreyer

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EDUCATION

North West University

Bachelor of Science in Information Technology

Vanderbijlpark, Gauteng

2022 – 2024

EXPERIENCE

Screener Website Developer

2022 – 2025

Freelance

Remote

- **Developed a cryptocurrency screener website** using React, Node.js, MySQL, and Tailwind CSS, analyzing **350+ cryptocurrencies in under 2 seconds**.
- **Implemented key technical indicators** such as RSI, MACD, and EMAs to assist traders in making data-driven decisions.
- **Enabled advanced filtering**, allowing users to quickly find coins that match specific conditions (e.g., oversold RSI).
- **Designed and optimized** a fully responsive, mobile-friendly UI for seamless user experience.
- **Deployed the platform on AWS** with an HTTPS certificate for secure and reliable access.

Automated Trading Bot Developer

2022 – 2025

Freelance

Remote

- **Built an automated trading bot platform** using React, Node.js, MySQL, and Tailwind CSS to analyze market trends and execute trades.
- **Integrated Binance and KuCoin APIs**, enabling users to connect their accounts for automated trading.
- **Implemented advanced risk management**, dynamically adjusting take-profit and stop-loss based on market volatility.
- **Secured API keys using AWS Secrets Manager** with encryption for enhanced protection.
- **Implemented authentication and authorization** to secure API endpoints.
- **Deployed the trading bot on AWS** with HTTPS encryption for secure transactions.

PROJECTS

Discovery Safe Routes | Flutter, Python, OSRM, A* Algorithm

2023 – Present

- Developed a Discovery Insure clone integrating Safe Routes with real-time routing powered by OSRM.
- Implemented an A* algorithm-based system to dynamically reroute users away from high-risk areas.
- Optimized route calculations to ensure safer navigation while maintaining efficiency.
- Designed an intuitive Flutter UI for seamless user experience.

Interactive Chat Application | Flutter, Node.js, MongoDB, WebSocket, AES Encryption

2023 – Present

- Developed a real-time messaging app with interactive features such as resizable, draggable messages and emoji combinations.
- Implemented token-based authentication and WebSocket-based messaging for real-time interaction.
- Integrated AES-encrypted MongoDB storage to enhance data security and privacy.
- Designed a modern, responsive UI using Flutter for a smooth user experience.

Explore more projects on my website | rubendreyer.co.za

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, C#, Dart

Frameworks & Libraries: React, Node.js, Flask, Flutter, .NET, Tailwind CSS

Databases: MySQL, PostgreSQL, MongoDB

Cloud: AWS (EC2, Secrets Manager), Azure, Firebase, Docker

APIs: Binance API, KuCoin API, RESTful APIs, WebSockets

Security & Authentication: AWS Secrets Manager, OAuth, JWT, AES Encryption, Authentication & Authorization