

TRAVIS DICKENS

JUNIOR SOFTWARE DEVELOPER

071 575 6685 | Travis.Dickens@outlook.com | [Linkedin](#) | [GitHub](#) | [Personal Portfolio](#)

SUMMARY

Software developer focused on building systems that are reliable, performant, and built to last. I have experience designing backend services, RESTful APIs, full-stack applications, and data-driven systems, with a growing focus on integrating AI and machine learning into practical software. I take ownership of technical decisions, think carefully about system design and architecture, and gravitate toward problems where accuracy and real-world impact actually matter.

TECHNICAL SKILLS

Front-End	Back-End	Databases	Version Control	Tools and Frameworks
HTML	Java	MSSQL	Git	.NET
CSS	C#	NoSQL	GitHub	Spring Boot
JavaScript	Python	PostgreSQL		Docker
React.js	Node.js			Redis
Next.js				Azure

PROFESSIONAL EXPERIENCE

Junior Developer - Forvis Mazars

August 2026 - Present

- Designed and developed AI powered applications to solve business problems across multiple departments
- Owned full delivery lifecycle across multiple projects from stakeholder requirements and system design through to development, operating with minimal oversight
- Architected and built RESTful APIs and event-driven data pipelines to ingest and process high-volume financial data.
- Designed and optimised relational database schemas in MSSQL, implementing indexing strategies that reduced query latency on large financial datasets
- Made independent architectural decisions, selecting appropriate patterns and tooling with limited senior oversight in a fast paced innovation environment
- Collaborated with non-technical stakeholders to translate business needs into practical technical solutions

AI/ML Learnership - Forvis Mazars

August 2025 - July 2026

- Completed a 12-month learnership laying the technical foundation for a subsequent role as Junior Developer

EDUCATION AND COURSES

IIE Varsity College (2022 - 2024)

Bachelor of computer and information sciences in application development (Graduated with distinction)

Marburg Secondary School (2017 - 2021)

National Senior Certificate

Real-Time Stock Market Analyzer

Java (Spring Boot), JavaScript, HTML, CSS

- A full-stack dashboard that displays real-time candlestick charts and performs technical analysis on market data.
- Has a pattern detection feature (Doji, Engulfing, Hammers, Morning/Evening Stars) and an algorithmic signal generator using moving average crossovers.
- Includes a watchlist system with search options and dynamic chart rendering, multiple timeframes, and responsive chart UI powered by LightweightCharts.
- Backend is built with Spring Boot serving OHLC data via REST APIs, with asynchronous updates and loading states for a smooth user experience.

Fleet Monitoring Platform

Java (Spring Boot), React, PostgreSQL, Docker

- A full-stack real-time fleet monitoring dashboard that visualizes live vehicle movement and operational metrics across Gauteng.
- Simulates 500 vehicles streaming GPS, speed, fuel, and engine temperature data every second via WebSockets.
- Includes a rule-based alerts with severity tiers and cooldown logic to prevent alert flooding.
- Built using Spring Boot and PostgreSQL, exposing REST APIs for historical queries and STOMP WebSocket endpoints for live telemetry streaming.

Fraud Detection and Risk Scoring System

C# (.NET), React, PostgreSQL, Kafka, ML.NET, Docker

- A full-stack real time fraud detection platform simulating 500-750 transactions per minute across South African locations.
- Scores transactions using ML.NET anomaly detection combined with rule-based checks and flags high-risk activity.
- Streams live scored transactions and alerts to a dashboard via SignalR WebSockets.
- Dashboard features interactive risk heatmaps, KPI cards, live alert feeds, transaction by type charts with filterable tables.
- Built with ASP.NET Core Web API, PostgreSQL for historical persistence, and Apache Kafka for event-driven data ingestion.