

JON-LOUIS DALTON

Software Engineer

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Stellenbosch, South Africa

SUMMARY

Software Engineer professional with 5 years of experience in software development and systems engineering, expert in backend infrastructure and real-time tracking technologies. My key achievements include achieving a 32% reduction in fleet fuel usage and securing \$1 million in seed funding for FinTech product development. Seeking a Software Engineer position, where I bring my software development and systems engineering skills to support your mission of leveraging technology to drive efficiency and innovation.

PROFESSIONAL EXPERIENCE

Software Engineer 2023 - Present

Destiny Produce Pretoria, South Africa

- Led the development of a vehicle fleet telematics system, resulting in a 32% reduction in fleet fuel usage.
- Enabled real-time vehicle tracking and diagnostics by upgrading backend infrastructure and developing a new suite of APIs, resulting in a 68% improvement in live response times.
- Led a team of software and hardware engineers to develop custom hardware for vehicle tracking, resulting in a 65% improvement in longevity compared to off-the-shelf units.

Software and Systems Engineer 2022 - 2023

Euvanto Pretoria, South Africa

- Developed a custom backend for an email server to automatically reply to inbound emails, resulting in a 22% increase in sales and a 180% improvement in response rates on customer tickets.
- Developed internal software to identify prospects for sales, resulting in a 20% increase in sales.
- Implemented a product monitoring system using OpenCV to track the output of new production lines and detect defects, leading to a 12% reduction in product defects.

Founder 2019 - 2022

Occomy Pretoria, South Africa

- Developed FinTech software capable of reducing merchant transaction fees to 0% and achieving a transaction time of 500 milliseconds.
- Led a successful seed funding campaign, securing \$1 million for product development.
- Simultaneously orchestrated the development of the initial Node.js backend and Flutter frontend within 4 months.

EDUCATION

Software Engineering 2023 - 2024

University of Stellenbosch (HyperionDev) Stellenbosch, South Africa

Alternative Investments 2021 - 2021

Harvard Business School Stellenbosch, South Africa

Bachelor of Commerce Honours, Investment Management 2019 - 2019

University of Pretoria Pretoria, South Africa

Bachelor of Commerce (Cum Laude), Investment Management 2016 - 2018

University of Pretoria Pretoria, South Africa



KEY ACHIEVEMENTS

Shipperra Fleet Management System

Implemented a complete fleet logistics system, achieving a 32% reduction in fuel consumption and a 43% increase in revenue.

Engineering Team

Created the entire software and engineering team now at Destiny Produce.

Rapid Transactions

Developed a transacting system capable of sub second transactions at 0% fees.

SKILLS

Tools

Python · Flask · Javascript · Node.js ·

Dart · Flutter · Swift · SwiftUI · Kotlin ·

Jetpack Compose · Webflow · Next.js ·

React · Firebase · MongoDB · SQL

Operating Systems

macOS · Windows · Linux

STRENGTHS

★ Human Centric Leadership

I progressed from being head boy and swimming captain in school to founding an investment club and organizing a food drive at university. I thrive on bringing out the best in people.

★ Love of Learning

I'm an avid reader who loves to explore and is always looking to learn something new.

★ AI

I've been an AI supporter for years and thoroughly enjoy the recent advancements we've seen. Furthermore, I have a strong understanding of the space.

LANGUAGES

English Native ●●●●●

Afrikaans Native ●●●●●

Italian Beginner ●●●●●

PROJECTS

Argus

2024 - Present

Stellenbosch, SA

I developed a sales automation program to assist with prospecting and outreach. This aspect of business is often time-consuming and inefficient, and I saw room for improvement.

- Achieved a 34% improvement in replies compared to traditional cold emails.
- Generated over 30 additional clients in 2 months.
- Led to a 45% increase in revenue.

Ecotany

2023

Cape Town, SA

Developed the infrastructure for a spinoff of Destiny-Produce, aimed at introducing new cultivars and shipping methods to the South African berry industry.

- Achieved a 90% increase in visitors after implementing the website and customer support systems.
- Secured 3 new clients in the Middle Eastern market after launching marketing channels.

TRAINING/COURSES

✓ Complete Web & Mobile Designer: UI/UX, Figma

A course outlining the core principles and practices of UI/UX design.

✓ Android Jetpack Compose

An end-to-end course on developing Android applications with Jetpack Compose.

✓ iOS & Swift - The Complete iOS App Development Guide

Modern iOS development using the SwiftUI framework.

✓ Machine Learning A-Z

A complete introduction to machine learning and machine learning techniques.

✓ The Complete 2022 Web Development Bootcamp

An end-to-end full-stack development bootcamp with an emphasis on React frontends and Node.js backends.

✓ Python & Django Fullstack Web Development Bootcamp

An in-depth review of Django and its use in modern web applications.


✓ Artificial Intelligence A-Z


A complete introduction to artificial intelligence, including the underpinnings of most AI-driven systems (TensorFlow, Keras).


✓ Deep Learning A-Z


Review of modern deep learning frameworks and their implementation.

AWARDS

 1st Place Allen Gray Achievement Awards (2019)

 2nd Place Allen Gray Achievement Awards (2018)

 Boston Consulting Group Best Investment Student

 LexisNexis Best Finance Student

 Top Student Stellenbosch University (HyperionDev) Computer Engineering Bootcamp

VOLUNTEERING

Zimbi Food Drive

2019 - Present

Zimbi

In 2019, I launched the Zimbi food drive to support local children's homes. Partnering with local butcheries, we improved the children's diets and made a meaningful impact on the community, while refining my leadership skills.

NOTABLE CERTIFICATION

CFA

CFA Level 1 Certification

Dale Carnegie

Dale Carnegie Generation Next Program