



# Rudi Esterhuysen

## Personal Details

**Date of Birth:** 28 June 1985  
**Nationality:** Namibian  
**Living in:** Windhoek  
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## Online Details

 [github.com/w3shivers](https://github.com/w3shivers)

## Coding Skills

**Relationship DBs:** \*\*\*\*\*  
*MySQL, MSSQL, etc.*

**NoSQL DBs:** \*\*\*\*\*  
*Redis, MongoDB, etc.*

**CLI Scripting:** \*\*\*\*\*  
*Shell, Powershell, etc.*

**Structured & UI** \*\*\*\*\*  
*HTML, XML, JSON, CSS, etc.*

**Backend:** \*\*\*\*\*  
*Python, PHP, C#, etc.*

**APIs:** \*\*\*\*\*  
*REST, Open API, GraphQL, etc.*

**Javascript:** \*\*\*\*\*  
*Vanilla, ECMAScript, jQuery, etc.*

**Low code:** \*\*\*\*\*  
*Zoho Deluge, Google Scripting, etc.*

**Old school:** \*\*\*\*\*  
*Lotus Script & VB Script*

**Git commands:** \*\*\*\*\*

*Note: My strong understanding of core programming concepts like data structures, algorithms, and object-oriented programming principles allows me to quickly grasp the syntax and structure of new languages.*

## Recommendations

*Recommendations received on LinkedIn from past colleagues and clients.*

**Daniel Melkin**  
USAID Consultant

**Debbie Rowles**  
Brand specialist

**Christiana Angermund**  
Sales representative at NMH

*Note: More recommendations and contact details can be provided upon request.*

## Overview

From small-town boredom to tech leadership, my journey has been fueled by a passion for problem-solving and a love for technology. Starting at 8, I delved into the digital world, building my first website at 16. My dedication led to becoming the youngest manager at Namibia's leading media company.

In 2013, I co-founded iWits, providing custom solutions to businesses. Today, at Binary City, I integrate systems from investments to access control, shaping the future of technology. My story is a testament to the power of curiosity, commitment, and a belief in technology's potential to transform our world.

## Work Experience

### Binary City

*Senior Software Developer (May 2020 - current)*

- Architected and implemented a bespoke Model-View-Controller (MVC) framework to enhance modularity, maintainability, and scalability of the application.
- Designed and developed an interoperable API for a wealth management firm, enabling seamless connectivity across multiple public and private networks, fostering data exchange and streamlined operations.
- Crafted a real-time device integration service utilizing low-level socket programming and API communication, bridging the gap between physical devices and cloud-based software, enabling real-time data exchange and efficient device management.
- Pioneered a command-line interface (CLI) from scratch, featuring a responsive table display, empowering users with intuitive control and enhanced user experience.
- Contributed to the development of BC Time, a cloud-based application for Binary City, actively participating in the coding team, fostering collaboration and innovation.
- Embraced a passion for knowledge sharing and mentoring, dedicating time to guide and support junior developers, fostering their growth and expertise.
- Demonstrated expertise in system testing and vulnerability detection, successfully identifying and resolving security loopholes, including work-arounds for McAfee's Data Layer Protection (DLP), enhancing system security and safeguarding sensitive data.
- Forged a custom integration with Amazon Active Directory (AD), streamlining user authentication and authorization processes, simplifying access management and enhancing operational efficiency.

# Technical Problem Solving

## Debugging

*Effectively identify and fix errors in code, utilizing debugging tools and techniques.*

## Troubleshooting

*Systematically investigate and resolve software malfunctions, analyzing symptoms and identifying root causes.*

## Incident resolution

*Promptly address and resolve software incidents, minimizing downtime and ensuring system stability.*

## Performance optimization

*Analyze and optimize code to enhance performance, improve efficiency, and reduce resource consumption.*

## Code refactoring

*Restructure and improve existing code, enhancing maintainability, readability, and scalability.*

# General Problem Solving

## Analytical thinking:

*Break down complex problems into smaller, manageable components, identifying patterns and relationships.*

## Creative thinking:

*Generate innovative solutions, exploring unconventional approaches and considering multiple perspectives.*

## Attention to detail:

*Carefully examine code and system behavior to identify subtle errors and anomalies.*

## Systematic approach

*Employ a methodical approach to problem-solving, following a logical sequence of steps.*

## Perseverance:

*Demonstrate persistence in tackling challenges, maintaining focus and determination until a solution is found.*

# Additional Problem Solving

## Collaboration

*Work effectively with team members to identify, analyze, and resolve problems.*

## Communication

*Clearly articulate technical concepts and problem solving processes to both technical and non-technical audiences.*

## Adaptability

*Adjust problem-solving strategies based on changing circumstances and new information.*

## Research

*Gather and analyze relevant information from various sources to inform problem-solving efforts.*

## Documentation

*Thoroughly document problem-solving processes, solutions, and findings for future reference and knowledge sharing.*

## iWits Web Development & Design CC

*Senior Software Developer, Managing Partner (July 2013 - April 2020)*

- Developed a cloud-based solution for Namibian Customs, integrating a Canadian HS code database.
- Created a bespoke application for a firearm supplier, tracking inventory and sales.
- Built a robust application for data import and bank file generation, eliminating manual work.
- Architected a Legal Database for Parliament, enabling efficient document retrieval.
- Pioneered a lead generation application for a bank, improving loan processing and customer satisfaction.
- Explored VR content customization through a web-based project, showcasing innovative spirit.
- Designed a user-friendly website for a pasta company, recommending recipes based on ingredients.
- Conducted data visualization project for a television station, extracting audience demographics.

## Namibia Media Holdings

*Digital Media Manager (July 2012 - June 2013)*

## Republikein

*Project Director (March 2011 - June 2012)*

## ProDG Web Development

*Web Developer (March 2009 - February 2011)*

## Republikein

*Graphic Designer (June 2007 - February 2009)*

## Allgemeine Zeitung

*Graphic Designer & Layout (April 2006 - May 2007)*

**Note:** Full detail of work experience can be viewed on my LinkedIn profile.

# Education

## Rhodes University's Sol Plaatje Institute for Media Leadership

*2012, Grahamstown, South Africa*

## Prestige Academy / Graphic Web Design & Development

*2004 - 2005, Bellville, Cape Town, South Africa*

## Keetmanshoop Private School, High School Diploma

*2003, Keetmanshoop, Namibia*

**Note:** Certificates and additional Online courses completed can be provided upon request.