

# LET'S BUILD SOMETHING GREAT TOGETHER

Innovative Software. Reliable  
Infrastructure. Scalable Digital Solutions.

Custom-built digital solutions for  
businesses, institutions, and government.



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## Phone

Somerset West, Western Cape, South Africa



## ABOUT US

# SMART TECHNOLOGY. BUILT TO SCALE.

Zhoumicro Software Solutions (Pty) Ltd is a Cape Town - based technology startup, building practical, scalable digital solutions for businesses and institutions. Founded in 2018 and headquartered in Somerset West, we specialise in custom software development, IT infrastructure, and modern web platforms designed to solve real operational challenges.

As a startup, we move fast, stay hands-on, and adapt quickly. Our experience ranges from national-scale systems supporting millions of users to lean digital platforms for startups, NGOs, and growing businesses. We focus on strong security, and future-ready design, helping our clients launch, and scale with confidence in an increasingly digital world.





WHAT WE DO

# OUR SERVICES

1

## Bespoke Software Development

We design and build custom software solutions tailored to specific business needs, from internal systems to enterprise-level platforms. Our solutions prioritise performance, security, and scalability.

2

## Website & Web Application Development

From simple business websites to complex government portals, we deliver responsive, secure, and user-friendly digital platforms, including website & e-mail hosting services.

3

## IT Infrastructure Design & Deployment

We architect, deploy, and manage on-premise and virtualised infrastructure, including server environments, high-availability systems, and secure network configurations.

4

## Cloud CX & Contact Centre Solutions (AWS)

We implement cloud-based contact centres using Amazon Web Services, enabling voice, customer engagement without traditional call-centre hardware. Our solutions include call flows, agent setup, real-time dashboards, call recordings, reporting, and performance analytics.



## OUR VALUE PROPOSITION

# WHAT WE OFFER



### **Tailored Software Solutions**

No off-the-shelf shortcuts. Every system is designed around your operational reality.



### **Built for Growth & Performance**

We design systems that perform under pressure and scale smoothly as users, data, and demand increase.



### **Security - First Approach**

Layered security using firewalls, access controls, backups, and replication strategies to protect systems and data.



### **Website Design, Hosting with Ongoing Care**

End-to-end website solutions including design, secure hosting, updates, monitoring, and performance optimisation.



### **Built for Growth & Performance**

We design systems that perform under pressure and scale smoothly as users, data, and demand increase.



NATIONAL DEPARTMENT OF HEALTH (TIER.NET)

# CASE STUDY

**Client:** CHAI / PATH / National Department of Health South Africa

**Partner:** Zhoumicro Software Solutions

**Contract Period:** May 2019 – December 2024

## Overview

Zhoumicro Software Solutions played a critical role in designing and deploying the national TIER.net infrastructure supporting over 13 million TB and HIV patient records across South Africa.

## Scope of Work

- Designed RAID-based server infrastructure
- Implemented secure network architecture using Windows Firewall and pfSense
- Deployed Hyper-V environment hosting 9 provincial virtual machines
- Configured Microsoft SQL Server with SSRS reporting
- Implemented transactional replication from provincial databases to a national database

## Outcome

The system enabled clinics from facility level up to national level to securely capture, replicate, and analyse TB and HIV data. Performance, reliability, and data availability improved significantly, supporting national health decision-making.





# SELECTED PROJECTS



| Domain                          | Client Type           | Description                                                                                       |
|---------------------------------|-----------------------|---------------------------------------------------------------------------------------------------|
| dwydpd.gov.za                   | Government            | Full public-facing government website with a secure internal intranet for departmental operations |
| chpc.ac.za                      | Government / Research | National Integrated Cyberinfrastructure System platform supporting research and innovation        |
| tamukacoaches.com               | Transport & Logistics | Website for the leading cross-border coach operator in Cape Town, Harare, and regional routes     |
| ngoto.co.za                     | Craft Beer            | Brand-driven website for an international black-owned craft beer company                          |
| steelrite.co.za                 | Private / Industrial  | Website for a large contractor involved in multiple government infrastructure projects            |
| lingomsoprimar<br>yschool.co.za | Education             | Informational website for a primary school based in Tulbagh, Western Cape                         |



women, youth &  
persons with disabilities

Department:  
Women, Youth and Persons with Disabilities  
REPUBLIC OF SOUTH AFRICA





MEET THE TEAM

# LEADERSHIP



**BRIAN ZHOU**

Managing Director

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Founder and managing director of Zhoumicro Software Solutions, Brian has extensive experience in software development, IT infrastructure, and enterprise systems. He has delivered solutions for government departments, NGOs, and private enterprises across Southern Africa.