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TD2
Age:49

City: Eastern Cape
Gender: Male
Ethnicity: Caucasian

He is a highly experienced Senior Full Stack C# Developer and Azure Cloud Architect with a strategic focus on leveraging cloud-native capabilities to their fullest extent. Their technical expertise spans a wide array of tools and technologies primarily centered around the Microsoft Azure ecosystem and .NET development.

He is currently a backend developer with substantial front-end development experience, including recent proficiency in Blazor, making him a full-stack developer. Over the years, he has developed various applications: call data systems, J2ME games, public-facing media websites, e-commerce sites, CMS platforms, transactional email websites, marketing apps (using Azure and Oracle Eloqua), WPF actuarial systems, serverless workflow engines, distributed locking apps, SQL Server change data tracking apps, scheduling apps, and factory management systems (content management, integration, change tracking, data deletion).

He has extensive experience in Windows and mobile development, web application development, integrations using SOAP and RESTful APIs, API design, and third-party integrations, particularly in enterprise applications. His technical skills include C# (23 years), .NET (23 years), .NET Core (7 years), HTML/CSS (7 years), jQuery (7 years), JavaScript (5 years), SQL Server (23 years), MongoDB (6 months), web services (WCF, Web API - 15 years), Scrum/Agile methodologies (15 years), Entity Framework (12 years), and software architecture including design patterns and SOLID principles (15 years). Additionally, he has 10 years of experience as a Systems Analyst.

Primary Skills and Competencies:
- **.Net and C#**: Proficient in using .NET framework and C# for developing robust backend solutions.
- **Azure Cloud Services**: Extensive experience with Azure, including:
  - **Azure Functions**: Expertise in creating serverless applications.
  - **Azure Storage**: Skilled in utilizing various Azure storage solutions like Table Storage and Blob Storage.
  - **Serverless Architecture**: Proficient in designing and implementing serverless architectures to enhance scalability and reduce operational costs.
  - **Azure Solution Architecture**: Capable of architecting complex cloud solutions that are scalable, secure, and efficient.
- **Database Management**: Adept in both SQL Server and Cosmos DB for data storage and management.
- **Web Development**: Strong background in ASP.NET, ASP.NET API, MVC, as well as frontend technologies like JavaScript, HTML, and CSS.
- **Agile and Scrum Methodologies**: Experienced in agile development practices ensuring efficient project management and delivery.

Key Projects and Contributions:
1. **Microflow Serverless Micro-Service Orchestration Engine**
   - **Role**: Azure architect, lead developer, and innovator.
   - **Technologies Used**: C#, Durable Functions, Azure Table Storage, Serverless.
   - **Project Description**: Developed a sophisticated orchestration engine for microservices, leveraging Azure's serverless capabilities. This project demonstrates the candidate's ability to design scalable, maintainable, and efficient serverless solutions using Azure Functions and durable entities for state management.
2. The Ultimate Distributed Lock Microservice
   - **Role:** Azure architect, lead developer, and innovator.
   - **Technologies Used:** C#, Durable Functions, Azure Table Storage, Serverless.

- **Project Description:** Created a microservice designed for distributed locking, which ensures data consistency and integrity in distributed systems. This project highlights the candidate's expertise in solving concurrency issues and implementing robust data locking mechanisms using cloud-native approaches.
3. Trax SQL Server Data Change Tracking
    - **Role**: Azure architect, lead developer, and innovator.
    - **Technologies Used**: C#, Durable Functions, Azure Table & Blob Storage, Serverless, Data Factory.
    - **Project Description**: Implemented a system for tracking changes in SQL Server data, integrating Azure services to handle data capture and processing. This project showcases the candidate's proficiency in using Azure Data Factory for ETL processes and durable functions for managing long-running workflows.

Work History

Position: Integration Developer   **Duration: 2024 – current.**
Company: Softare Technolagy sector
- Applications support.

Reason for leaving:
- During the interview they informed him they'll offer him the job however once he starts the role will change to that of a developer as they had to iron out internal issues, thus he accepted on this basis. However now that he is working at the company, he is doing purely software support and no development, he wanted to be transparent with management and asked them when the role will change to that of a developer and they informed him it will remain a support role for now and they agreed this is not ideal for him as he wants to do development.
- Contract ends June 2024.

Position: Senior Software Developer & Solutions Architect   **Duration: 2021 to 2024**
Company: Consulting company
- Software Developer and Architect, Factory Management System. Responsible for C# code to create new functionality.
- NET Web API used by the front-end.
- Technology designs of new services like SignalR and SQL auditing.
- Design and implementation of data and document cleanup and retention.
- Password reset service.
- Data validation service for factory projects.
- Fixed security issues with Azure AD and SAML2.
- Created a Durable Function App to publish the content of factory project`s data (SQL data copy and blob storage copy).
- Created a lock API to manage project locks and sub-locks with SQL Server (created a Durable Function Lock App in my own time).
- Recommended micro-service solutions for modernization.
- Bug fixes.
- Analyzing existing code and making estimations for changes.

Project 1:
- Back-end developer, enhance the existing manufacturing management system, ASP.NET API and new processes.

Technologies:
- C#
- Web API
- Durable Functions
- SQL Server
- Azure Table
- Blob Storage
- ASP.NET Web API
- Azure Storage
- SQL Azure
- SAML2
- Unit Testing

Reason for leaving:

- The product he was working on was sold, and there wouldn't be further challenging development work left for him to do.

Position: Senior Software Developer & Solutions Architect   **Duration: 2021 to 2021**
Company: Financial services sector
- Created a 10-year software strategy for a risk management system used by the Netherlands government.
- Learned Angular and start creating the ecommerce system for Checkers.
- Set up code scanning and helped to resolved Azure AD security issues.

Project 1:
- Azure architect, create a 10-year software strategy for a risk management system used by the government of the Netherlands.

Project 2:
- Creating a new ecommerce system, Angular front-end development.

Technologies:
- C#
- WPF
- SQL Server
- Azure DevOps
- GIT
- Architecture Analysis
- SAP Spartacus
- Angular
- TypeScript
- Architecture Analysis for micro-service implementation.
- SAP Spartacus

Reason for leaving:
- Was hired for a specific Azure development role, but this project was cancelled.

Position: Senior Software Developer & Solutions Architect   **Duration: 2019 to 2021**
Company: Financial services sector
- Senior Software Developer for an Actuarial System.
- New functionality.
- Fixed bugs.
- Created an Azure Function App to transfer data from the system to client system via an API call.
- Designed a new modern way to run the system as Durable Function micro-services, this led me to create my pet project.

Project 1:
- Senior developer, enhancing the existing actuarial system

Technologies:
- C#
- WPF
- SQL Server
- Azure DevOps
- GIT
- Bug fixes
- WPF
- SQL Azure

Reason for leaving:
- He had a design ready for them to modernize part of their system but the company had too much politics to make any changes and he was left doing only bug fixing.

Position: Senior Software Developer & Solutions Architect   **Duration: 2019 to 2019**

Company: Financial Services sector
- Software Architect and Developer.
- New functionality.
- Fixed bugs.
- Resolved complicated integration issues in API calls.
- Resolved complicated C# multi-threading issues.
- Researched and created stress tests to compare CosmosDb with SQL Server.

Project 1: Azure DevOps Boards & GIT Repos Setup
- Lead Developer

Project 2: CPIC XBRL Validation Service
- Lead Developer

Project 3: Database Optimization
- Lead Developer

Project 4: System Refactoring & Conversion to C#
- Lead Developer

Technologies:
- Azure DevOps,
- GIT
- VB.NET
- Azure DevOps Boards
- HTTP Client Post
- SQL Server

Reason for leaving:
- New development project cancelled, no new work items.

Position: Senior Software Developer   **Duration: 2014 to 2018**
Company: Marketing and Advertising sector
- Integration with Oracle Eloqua and development of Azure Cloud backend services and MVC 5 Front-end portal.
- Design and build an Azure based platform for marketing apps.
- Built the web-based portal for the platform.
- Built the cloud based back-end platform with OAuth security.
- Built the following cloud apps on the platform:
  - SMS sender.
  - Push notification sender.
  - Mobile app back-end.
  - Voucher sender/manager.
  - Google analytics integration with marketing system.
  - Back-end services to sync marketing data between Azure and the marketing system.
  - Salesforce chat integration app.
  - AI Conductrics app.
- Project 1: Cloud Portal Front – end Web UI for all service departments
  - Lead Developer & Architect.
- Project 2: Shared Environment SMS Service
- Lead Developer & Architect.
  - Azure Table Storage
  - Blob Storage
  - Storage Queues
  - Cloud Services
  - C#
  - ASP.NET Web API

- Project 3: Shared Environment Data Import Cloud Services into Eloqua
  - Lead Developer & Architect.
- Project 4: Shared Stats Environment Cloud Services
  - Lead Developer & Architect.
- Project 5: Salesforce Chatter Service for Marketing Activities for Eloqua
  - Lead Developer & Architect.
- Project 6: Shared Environment Logging Cloud Services

- o   Lead Developer & Architect.
- Project 7: Voucher Management Service for Eloqua
  - o   Lead Developer & Architect.
- Project 8: Mobile Engagement Platform Services
  - o   Lead Developer & Architect.
- Project 9: System Notification Service
  - o   Lead Developer & Architect.
- Project 10: Google Analytics to Eloqua Integration Service
  - o   Lead Developer & Architect.
- Project 11: Conductrics Machine Learning to Eloqua Integration Service
  - o   Lead Developer & Architect.
- Project 12: Azure Storage Queue Monitoring Service
  - o   Lead Developer & Architect.

Technologies:
- Azure Cloud Development and Solution Design – (Azure Web Sites, Cloud Services, Storage Queues
- Service Bus Queues
- Notification Hubs
- Table Storage
- Blob Storage
- SendGrid
- Scheduler (SQL Azure)
- Entity Framework
- Ajax
- Responsive CSS
- C#
- Visual Studio 2013
- Agile Development and Scrum
- JQuery
- Metronic Admin CSS Template
- Rest Services with ASP.NET Web API
- Metronic
- ASP.NET MVC 5
- Microsoft Azure Web Sites
- SQL Azure
- Azure Table Storage
- Storage Queues
- Cloud Services
- Web Jobs
- Azure Table Storage, Blob Storage, Storage Queues, Cloud Services, C#, ASP.NET Web API
- ASP.NET Web API
- Azure Cloud Service
- Google Analytics API
- Conductrics Api
- Azure Storage Queues
- ASP.NET MVC
- Azure Functions
- API

Reason for leaving:
- Salary advancement and no growth within organisation.

Position: Senior Developer Contractor   **Duration: 2013 to 2013**
Company: Digital Marketing sector
- Development of MongoDB Database, Rest Web Services and ASP.NET MVC4 Front-end.
- Project 1:
  - Develop a JavaScript web-based marketing heatmap.
- *Project 2:*
  - Lead developer for a new ASP.NET front-end and MongoDB based backend.

Technologies:
- C#
- ASP.NET MVC 4
- JavaScript
- JQuery
- Ajax
- Bootstrap Metronic Responsive CSS Admin Template
- MongoDB
- Windows Azure
- Rest Web Services with ServiceStack
- ASP.NET MVC 4
- MongoDB
- Windows Azure
- Ajax
- Responsive CSS
- JavaScript
- C#
- Visual Studio 2012
- Agile Development and Scrum
- JQuery
- Metronic Admin CSS Template
- Rest Services with ServiceStack
- JavaScript
- ASP.NET

Reason for leaving:
- 6-month contract.

Position: Senior Software Developer   **Duration: 2011 to 2013**
Company: Information and Communications Technology (ICT) sector
- Software development: Cell C, Nashua Mobile and Aspivia Mobi Itemised Billing Web Sites, Telecom Business Intelligence and Cost Management
- Worked on several projects.

Technologies:
- C#
- ASP.NET MVC 3.0
- Entity Framework 2.0
- Windows Azure
- SQL Server 2008
- ASP.NET MVC
- Ajax
- JavaScript
- Entity Framework
- ASP.NET MVC 3
- LINQ to SQL
- JQuery
- CSS
- Visual Studio 2010
- Agile Development and Scrum
- JQuery Mobile

Reason for leaving:
- Company relocated to Cape Town.

Position: Senior Software Developer　　　　　　　　　　　　**Duration: 2010 to 2011**
Company: Market research sector
- Software development: new implementation of website with e-commerce, CMS system development and a page editor.
- Project 1: Setup of a New Web Production Environment
- Project 2: Redevelopment of website

Technologies:
- Microsoft Velocity
- IIS 7 setup and configuration.
- ASP.NET MVC 2
- Entity Framework
- LINQ to SQL
- JQuery
- Microsoft Velocity (now called Appfabric)
- Ajax
- CSS
- JavaScript
- C#
- Visual Studio 2010
- Agile Development and Scrum
- SQL Server 2008
- Unit Testing
- Mock
- ASP.NET MVC 3.0
- Entity Framework 2.0
- T4 Templates
- RSS

Reason for leaving:
- Completed project and location was not ideal.

Position: Senior Software Developer　　　　　　　　　　　　**Duration: 2008 to 2009**
Company: Telecommunications sector
- Software development: new development, maintenance, fixing bugs, testing and database development.
- Project 1: Mobile Phone Call Recorder Web Site
- Project 2: Consulting ShopDirect on technical implementation of ecommerce web site.
- Project 3: Mobile Site for the Mobile Phone Call Recorder
- Project 4: SMS Sender Simulator
- Project 5: Premium SMS Server Side Processing
- Project 6: Web Site to Administrate Mobile Voice Messaging System
- Project 7: Public Web Site for Mobile Voice Messaging System

Technologies:
- Type
- ASP.NET 3.5
- C#
- Java Web Services
- LINQ
- JQuery

- JqGrid
- ASP.NET Ajax
- JavaScript
- Windows Mobile Development
- Java/NHibernate/Spring Framework
- Integrating with Java Web Services.
- VB.NET
- Web Service
- .NET Windows Service
- JavaScript, Web Service
- Ajax

Reason for leaving:
- Retrenchment / company financial problems / economic crisis

Position: Senior Software Developer   **Duration: 2007 to 2008**
Company: Information and Communications Technology (ICT) sector
- Software development: new development, maintenance, database development.
- Project 1: Monitor & Evaluation System for Government Housing Department
- Project 2: Alexander Forbes Equity Release Administration System
- Project 3: Travel Demand System for Soccer World Cup 2010
- Project 4: GIS Spatial Analysis System
- Project 5: Dynamic Web Invocation Windows Service
- Project 6: Dynamic Data Web Grid Editor Control

Technologies:
- C#
- ASP.NET
- MS SQL Server 2005
- PDF
- MS Access
- Windows Service
- Ajax
- JavaScript
- Web Services
- SQL Server Reporting Services
- C# 2005
- MS Word Report Automation
- MS SQL Server Reporting Services
- SQL Server 2005
- Web Service
- Windows Service calling Web Service

Reason for leaving:
- Company had financial problems.

Position: Senior software Developer   **Duration: 2006 to 2007**
Company: Media sector
- Software development: new development, maintenance, fixing bugs, testing and database development.
- Project 1: Browser Toolbar for Search Engine
- Project 2: Data Imports
- Project 3: Maintenance and Enhancement of Web Sites

Technologies:
- JavaScript
- RSS

- XML
- Toolbar Studio
- C#
- Web Service
- SQL Server 2000
- ASP.Net
- XML Web Services
- SQL Server 2005
- Windows Service
- XML Data Imports into SQL Server 2005
- ASP.NET
- Html
- CSS
- Ajax

Reason for leaving:
- Fixed term contract completed.

Position: Senior Developer   **Duration: 2004 to 2006**
Company: Marketing sector
- Software development: new development, maintenance, fixing bugs, testing and database development.

Technologies:
- C#
- VB.Net
- ASP.Net
- ADO.Net
- XML Web Services
- XML
- Java
- ASP
- JavaScript
- HTML
- .Net
- T-SQL
- Oracle
- SQL Server
- Visual Studio.Net

Reason for leaving:
- Company financial problems, left for job security.

Position: Software Developer   **Duration: 2003 to 2004**
Company: Telecommunications Sector
- Software development: new development, maintenance, fixing bugs, testing and database development.
- Project 1: MMS Upload from Mobile Phone to a Web Site
- Project 2: Video Email
- Project 3: Mobile DSTV Guide for Mobile Phones
- Project 4: Video E-Card
- Project 5: Web Application Usage Monitoring for Video E-Card
- Project 6: RSS News Content Reader Application
- Project 7: Mobile Originating Payment and Delivery System

Technologies:
- ASP.Net
- C#
- NT Service
- XML Web Service
- Flash
- MS SQL Server 2000

- J2ME
- ASP.Net, C#, NT Service, XML Web Service, Pop3 email
- ASP.Net, C#, .Net XML Web Service Integration with a Flash front end, MS SQL Server 2000
- Java / J2ME, ASP.NET
- ASP.Net, C#, Flash, .Net XML Web Service Integration with a Flash front end, NT Service, MS SQL Server 2000
- ASP.Net, C#, XML Web Service, MS SQL Server 2000
- Service, XML Web Service, XML-RPC, ASP.Net, MS SQL Server 2000
- XML Web Service, MS SQL Server 2000, Windows Service

Reason for leaving:
- Contract ended.

Position: Junior Software Developer   **Duration: 2001 to 2003**
Company:
- Software development: new development, maintenance, fixing bugs, testing and database development, quality assurance.
- Project 1: Various large scale software development projects in the cellular industry – project details are confidential.
- Project 2: Library System
- Project 3: Access Control Reporting System

Technologies:
- .NET
- C#
- ASP.NET
- Windows Forms
- Web Services
- SQL Server 2000
- Oracle 9 & 10
- JavaScript
- XML
- Windows Services
- Web Services
- Developing on Oracle and SQL Server 2000
- Access Database

Reason for leaving:
- Career advancement.

Position: NT Administration   **Duration: 2001 to 2001**
Company: Technology sector
- NT Server support.
- Developer's desktop support.
- Network support and management.
- General systems audit, performance, patch reports.
- Workflow Application Development.
- VBA/Outlook Development.
- SQL Server 2000.

Technologies:
- NT Server
- Visual Basic
- SQL 2000

Reason for leaving:
- He wanted to pursue a software development career.

Position: Network Administration   **Duration: 2000 to 2001**
- Network and desktop support.

Technologies:

- Novell
- Windows DOS
- Windows 95
- Windows 98

Reason for leaving:
- Company split up, no need for network support.

Education

Grade 12. Paul Roos Gymnasium, 1993.

BA in Psychology & Geography. Stellenbosch University, 1996.

BA Honors in Psychology. Stellenbosch University, 1997.

Comprehensive Programming Diploma. Intec College, 2001.

Web Page Design. Stellenbosch University, 2000.

Development with .Net. Microsoft, 2001.

Sun SL1111 Introduction to Java. CS Holdings, 2000.

Sun SL275 Java Programming. CS Holdings, 2000.

Top Skillz

.Net
C#
Azure
Backend Cloud Development
Azure Functions
Azure Storage
Serverless
Azure Solution Architecture
SQL Server
Cosmos DB
ASP.NET
ASP.NET API
MVC
JavaScript
Html
CSS
Web Development
Azure Cloud Development
Agile & Scrum

Salary

Before Deductions:	R 650 per hour
Salary Expectations:	+- R 92 000.00 – R95 000 for fully remote and permanent

"Thank you for considering our applicant! To schedule an interview, please reach out to your Talent Acquisition Specialist."