

## Andile Dimba

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### Summary

Versatile Software Engineer with 3+ years of experience in full-stack development, specializing in C#, Python, and JavaScript. Proven track record of delivering scalable solutions, modernizing legacy systems, and enhancing operational efficiency. Skilled in RESTful API design, .NET, and Vuejs, with a passion for creating impactful software that drives innovation. Seeking a collaborative role to contribute to high-impact projects and advance technical expertise.

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### Technical Skills

- **Programming Languages:** C#, Python, JavaScript, TypeScript, Nodejs
  - **Frameworks:** .NET, Vue.js, Angular, Blazor, React
  - **Databases:** Microsoft SQL Server, Db2, PostgreSQL
  - **Tools:** Azure DevOps, Docker, Git, SourceTree
  - **Other:** RESTful API Design, HTML, CSS
  - **Certifications:** AWS Certified Cloud Practitioner
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### Professional Experience

#### Interfile – Intermediate Software Engineer

*Oct 2023 – Present*

- **System Development for Home Affairs:** Build and enhance solutions for the Home Affairs system, enabling efficient processing of applications for certificates, identification documents, passports, and visas.
- **Front-End and Back-End Development:** Use C# (WPF) for front-end development and Python for back-end tasks, maintaining and modernizing a legacy system to meet current demands.
- **Angular Integration:** Contribute to the Angular (TypeScript) components of the project, ensuring seamless functionality across the application.
- **System Monitoring and Support:** Provide day-to-day monitoring and support for the system, resolving issues from various stakeholders, rerouting workflows, and ensuring system stability.

- **Leadership:** Led the support team during the manager's month-long leave, ensuring alignment, task execution, and adherence to procedures.
- **Stakeholder Collaboration:** Work closely with stakeholders to address system issues, implement solutions, and maintain operational efficiency.
- **Production Standby:** Handle critical production support, troubleshooting and resolving issues in real-time to minimize downtime and ensure smooth operations.

## **Digital Solution Foundry - Junior Software Developer**

*Jan 2023 – Sep 2023*

- **IFRS 17 Software Development:** Worked on IFRS 17 compliance software, integrating client APIs with the company's API to enable batch accounting calculations for major insurance companies, including Hollard Zambia and Hollard Mozambique.
- **Database Optimization:** Used Microsoft SQL Server to implement database designs, write stored procedures, and ensure proper indexing to minimize database slowness and improve query performance.
- **Backend Development:** Developed backend services using the MVC architecture in .NET, ensuring seamless integration between the database and backend systems.
- **Frontend Development:** Built and maintained the frontend using Vue.js, a lightweight and efficient JavaScript framework, to deliver a responsive and user-friendly interface.
- **Frontend Migration:** Successfully migrated the entire frontend build process from Webpack to Vite to address compatibility issues with the latest Node.js version, improving build speed and developer efficiency.
- **Pipeline Setup and Deployment:** Configured and managed deployment pipelines using Azure DevOps, automating builds, testing, and deployments to ensure smooth and reliable project delivery.
- **Collaboration with Accountants:** Partnered with accountants to understand complex financial requirements and translate them into technical solutions, ensuring compliance and accuracy.
- **Code Reviews and Optimization:** Conducted code reviews to ensure quality, efficiency, and adherence to best practices, while providing constructive feedback to team members.

## **BBD – Software Engineer**

*Apr 2022 – Jan 2023*

- **SARS System Development:** Worked on the SARS system, addressing new requirements every two weeks and investigating system issues to implement fixes.
  - **Agile Development:** Operated in a two-week sprint cycle, delivering new features and resolving system bugs to meet evolving requirements.
  - **Front-End and Back-End Development:** Used C# for front-end development and Python for back-end tasks, ensuring seamless integration and functionality.
  - **Production Deployment and Support:** Supported bi-weekly production deployments, troubleshooting and resolving issues in real-time to ensure successful rollouts.
  - **Problem Investigation:** Conducted in-depth investigations to identify root causes of system failures, implementing code fixes to restore functionality and improve system performance.
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## **Education**

**Umuzi.org** – National Certificate: Information Technology: Systems Development

*Apr 2021 – Mar 2022*

**Hlahlindlela High School** – Matric

*Jan 2015 – Dec 2015*