

# Brandon Ngwenya

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## Professional Summary

Software Engineer with 5+ years of experience designing scalable microservices, optimizing system performance, and delivering impactful solutions. Proficient in modern technologies, including .NET, Python, Angular, and cloud platforms like Azure, AWS and GCP. Adept at working in cross-functional teams, mentoring junior engineers, and implementing architectural best practices in Agile environments to drive business success.

## Professional Experience

### Dye & Durham | Cape Town, Western Cape

Software Engineer | 10/2023 - Present

- Architected and implemented scalable microservices for complex order processing systems, ensuring seamless integration with multiple data sources.
- Developed and maintained software solutions using C#, .NET, Angular, Python, Java and React.
- Optimized containerized environments using Kubernetes and Docker, enhancing database performance and scalability.
- Integrated RabbitMQ and Postgres DB with Python-based services to streamline messaging workflows across microservices.
- Led the adoption of DevOps best practices, enabling faster deployment cycles and improved system reliability.

### BBD Software | Cape Town

Software Engineer | 02/2019 - 10/2023

- Designed and developed APIs to streamline sales processes, reducing manual tasks by 40% and improving partner integration.
- Mentored new graduates and interns, fostering skill development and ensuring smooth Agile project delivery.
- Delivered a Leave Management System within 3 months as Frontend Lead using Angular, C#, and Azure, enhancing employee efficiency.
- Built a URL shortener and sanitizer leveraging Azure Functions, benefiting over 5000 employees and improving security.
- Transitioned to a product-based team, managing full-stack responsibilities for a client system using Angular and C# with DDD and CQRS methodologies.
- Enhanced service communication using Azure Service Bus, optimizing message delivery and system synchronization.

## Technical Skills

**Programming Languages:** C#, Java, Python  
**Frameworks & Libraries:** .NET Core, Angular, React  
**Cloud & DevOps:** Azure Functions, Azure Service Bus, Kubernetes, Docker  
**Database Systems:** Postgres, SQL Server  
**Methodologies:** Agile, DDD, CQRS

## Education

**University of South Africa** | Cape Town  
**BSc Computing** | Part time  
  
**WeThinkCode** | Cape Town  
**\*\*Software Engineering NQF 5** | 01/2019  
  
**University of the Western Cape** | Cape Town  
**\*BSc Computer Science** | 2016 - 2017