

# Bantu-Bethu Beya

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## PROFESSIONAL SUMMARY

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Results-driven full-stack developer with production experience across React, ASP.NET Core, and SQL Server. Founder of Bay Software — a tech agency serving South African SMEs. Proven track record delivering end-to-end solutions for real clients, with a strong foundation in clean code, agile collaboration, and scalable architecture. Currently available for full-time software development roles in the Gqeberha/Port Elizabeth area.

## EDUCATION

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**Nelson Mandela University** Feb 2026 – Present  
*Bachelor of Technology: Information Technology (Software Development)* *In Progress*

- **Core Coursework:** Advanced Software Engineering, Research Methodology, IT Project Management IV, Systems Development IV

**Nelson Mandela University** Jan 2023 – Dec 2025  
*Higher National Diploma: Information Technology (Software Development)* *GPA: 3.31 / 4.0 | 9 Distinctions*

- **Core Coursework:** Data Structures & Algorithms (C#), React, ASP.NET MVC, Python for Data Analysis, OOP, Project Management, SQL Server
- **Capstone Project:** Hospital Ward Management System (ASP.NET Core MVC, EF Core, SQL Server)
- **Certifications:** C# (HackerRank), IBM HTML/CSS, Git & Version Control

## EXPERIENCE

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**Founder & Lead Developer** | Bay Software — *Gqeberha, SA* Nov 2025 – Present

- Founded a tech services agency delivering custom web solutions to South African SMEs with structured service packages.
- Built and deployed production web applications using React, ASP.NET Core, and SQL Server for paying clients.
- Manage full project lifecycle: requirements gathering, architecture design, development, testing, and deployment.
- Developing a React-based client portal to replace informal client communication and improve delivery workflow.

**Software Developer** | *Africorp International Properties (Hybrid, Part-Time)* May 2024 – Dec 2025

- Built internal data tools using .NET Framework and SQL Server to automate reporting and improve business workflows.
- Designed and launched production websites using JavaScript, HTML/CSS, and WordPress achieving 99.9% uptime.
- Managed hosting, SEO, and content delivery for 7+ client sites, improving organic traffic visibility.

## PROJECTS

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**CampusSwap** | *React, Redux, ASP.NET Core, PostgreSQL, Paystack, Firebase* Nov 2024 – Present

- Full-stack peer-to-peer trading platform with escrow payments via Paystack API, projected to handle R24k+ in daily transactions with 10% platform fees.
- Advanced search with 15+ filters and Redux state management achieving sub-200ms query response times.
- JWT authentication, role-based access control, and real-time Firebase messaging.
- Normalised PostgreSQL schema with EF Core and automated seller payouts using Hangfire background jobs.

**Ward Management System (Capstone)** | *ASP.NET Core MVC, EF Core, SQL Server* Feb 2025 – Dec 2025

- Led Consumables & Script Management subsystem: validation logic, normalised schemas, inventory tracking, and automated order management reducing manual processes by 60%.
- Agile 4-person team delivering four integrated subsystems: Consumables, Doctor–Patient, Nursing, and Admissions.
- Git workflow with pull requests, code reviews, and academic supervision in a structured team environment.

## TECHNICAL SKILLS

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- **Languages:** C#, JavaScript, TypeScript, Python, SQL, HTML5/CSS3
- **Frameworks:** ASP.NET Core / .NET 6+, React.js, Redux, Angular (learning), Tailwind CSS, Bootstrap
- **Databases:** Microsoft SQL Server, PostgreSQL, MySQL, Entity Framework Core
- **Tools & Platforms:** Git, Visual Studio, VS Code, Postman, Firebase, Hangfire, Paystack, WordPress, Figma
- **Practices:** RESTful APIs, JWT Authentication, Responsive Design, Agile/Scrum, Code Reviews
- **Currently Expanding:** Angular, Docker, AWS, CI/CD with GitHub Actions