

SHAGGY SAMBO

Full-Stack Developer | Angular • React • ASP.NET Core • Node.js

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[LinkedIn](#) • [Portfolio](#) • [GitHub](#)

PROFESSIONAL SUMMARY

Full-Stack Developer with commercial software development experience building scalable web applications across Angular, React, ASP.NET Core, and Node.js. Skilled in REST API design, SQL Server and MySQL optimization, and shipping production features end-to-end in Agile teams. Focused on performance, reliability, and writing clean, maintainable code that supports real business operations.

TECHNICAL SKILLS

Frontend: Angular, React, Vue, Next.js, TypeScript, JavaScript (ES6+), HTML5, SCSS, Tailwind CSS

Backend: ASP.NET Core, C#, .NET, Node.js, Express.js, REST API design, JWT authentication

Databases: SQL Server, MySQL, PostgreSQL, MongoDB, Prisma ORM, Entity Framework, stored procedures, query optimization

Cloud & DevOps: Microsoft Azure, Docker, Vercel, Git, GitHub, CI/CD basics

Practices: Agile / Scrum, sprint planning, code review, debugging production systems, RESTful services

Tools: Visual Studio, VS Code, Postman, Trello, Socket.IO

Familiar with: React Native, Ionic (used on personal mobile projects)

PROFESSIONAL EXPERIENCE

Software Developer | Digital Solution Foundry, Johannesburg

Jun 2023 – Present

- **Developed REST APIs** in ASP.NET Core and Node.js serving internal business applications, integrating with SQL Server and MySQL backends.
- **Built and maintained** production web features across Angular, React, and Vue front-ends used daily by internal operations teams.
- **Designed and optimized** SQL Server schemas and stored procedures, reducing API response times on slow endpoints through query tuning and indexing.
- **Diagnosed and resolved** production bugs across the stack, improving system stability and reducing recurring incident reports.
- **Collaborated with** designers, backend developers, and stakeholders in Agile sprints to deliver features end-to-end on schedule.
- **Contributed to** code quality through reviews, refactoring of legacy modules, and adoption of consistent coding standards across the team.

Full-Stack Developer (Learnership) | The Digital Academy, Johannesburg

Jun 2022 – Jun 2023

- **Built full-stack applications** using Angular, React, Node.js, Express.js, and SQL/NoSQL databases under sprint-based delivery.
- **Designed and implemented** REST APIs with Express.js consumed by Angular and React front-ends, including authentication and role-based access.
- **Developed responsive UI components** improving usability across desktop and mobile breakpoints.
- **Worked in Agile teams** using Git, Trello, and sprint planning, consistently delivering production-ready projects within deadlines.

Software Development Intern | Ekhnconnector Systems, Nelspruit

Jan 2022 – Jun 2022

- **Built a farming analytics system** for agricultural clients that captured field data, calculated business performance metrics, and presented statistics through a dashboard.
- **Developed Windows Forms** desktop applications in C#/.NET for operational teams handling daily data capture.
- **Designed MySQL databases** and optimized queries for reporting workloads.
- **Built ASP.NET Core APIs** integrated into internal company systems.

SELECTED PROJECTS

Live: belco-leave-portal.vercel.app | Code: github.com/shaggybelco/belcoLeavePortal

Deployed the Angular SPA on Vercel and the ASP.NET Core 10 REST API on Render, backed by PostgreSQL with Entity Framework Core migrations and Docker.

Implemented live leave-balance previews and date-conflict detection in the apply form, preventing employees from double-booking approved or pending leave.

Built role-based JWT auth (Employee / Manager / Admin) with a global HTTP interceptor loading overlay, Material dialogs for all CRUD, and an organisation-wide audit-log reporting view.

Angular 20, TypeScript, Angular Material, ASP.NET Core 10, C#, PostgreSQL, Entity Framework Core, Docker

belco-leave-portal.vercel.appgithub.com/shaggybelco/belcoLeavePortal **Belco Leave Portal** ▪ Full-Stack Leave Management System

Smart Job Tracker — *Full-Stack Two-Sided Job Platform*

React + Vite, TypeScript, Express, Prisma, PostgreSQL, Docker

- Built a two-sided platform where applicants track applications and apply in-platform, while recruiters post jobs, search candidates, and chat.
- Architected as a TypeScript monorepo with Express/Prisma API and React/Vite web client, including JWT authentication and role-based access for applicants vs recruiters.
- Designed the PostgreSQL schema with Prisma ORM and implemented RESTful endpoints for jobs, applications, profiles, and messaging.
- Containerized the API and database with Docker for consistent local development and reproducible deployments.

Live: smart-job-web.vercel.app | Code: github.com/shaggybelco/smartJob

Python Study Guide — *Interactive Learning Platform for Beginners*

React, JavaScript, Vercel

- Built a structured Python learning platform with guided paths covering syntax, data structures, and core programming concepts for beginners.
- Designed and developed an interactive typing game that reinforces Python syntax and improves coding speed through real-time feedback.
- Deployed as a responsive single-page application on Vercel with mobile-first UI.

Live: python-study-guide.vercel.app | Code: github.com/shaggybelco/python-study-guide

Expense Tracker — *React Native Personal Finance App (in daily personal use)*

React Native, TypeScript, ASP.NET Core, C#, Docker

- Built a cross-platform mobile expense tracker with a React Native / TypeScript front-end and an ASP.NET Core REST API backend in C#; currently use it daily to manage personal finances.
- Designed RESTful endpoints for adding, categorizing, and reporting expenses, with persistent storage and category-based summaries.
- Containerized the backend API with Docker (multi-stage build) for consistent local development and deployment.

Code: github.com/shaggybelco/Expense-Tracker

EDUCATION

National Diploma in Information Technology (Software Development) | Tshwane University of Technology
2018 – 2022

Relevant coursework: Object-oriented programming, database design and SQL, systems analysis, software architecture, API development, desktop and web application development, Agile methodologies.

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900) — Microsoft