ANGELO PUZA

Full Stack Software Developer

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PROFESSIONAL SUMMARY

Junior .NET Developer at PMD Dies & Stereos, shipping production features and bug fixes on a live ASP.NET Core Blazor Server ERP (35 merged pull requests, Sep–Oct 2026) and building internal tools (documentation platform, site-wide search, dispatch route planner). Completing an NQF Level 5 Full Stack Web & Software Development qualification with project experience in React/TypeScript, ASP.NET Core, C#, SQL Server, PostgreSQL & REST APIs. Strong in root-cause debugging, runtime verification & automated testing (xUnit). Seeking junior developer or QA opportunities in South Africa or remote.

TECHNICAL SKILLS

Languages & Frameworks: C#, ASP.NET Core MVC, Blazor Server, TypeScript, React, Tailwind CSS, TanStack Query, HTML5, CSS3, JavaScript, SQL, Python (in progress)

Databases & ORMs: SQL Server, PostgreSQL, Redis, Entity Framework Core, Dapper, LINQ, code-first migrations, SQL migration & rollback scripts

Cloud & DevOps: Azure, Azure DevOps (Boards, Repos, Pipelines), Docker, Git, GitHub, GitHub Actions, CI/CD, Render, Neon, Upstash

Testing & QA: xUnit, Moq, integration testing (WebApplicationFactory), test case design, defect lifecycle management, bug-to-test-case traceability, root-cause analysis, runtime verification

Tools & Platforms: Visual Studio, VS Code, SSMS, ASP.NET Identity, JWT authentication, SignalR, Leaflet.js/OpenStreetMap, WCAG AA accessibility, Power BI, Power Query, Excel

Methodologies: SDLC, UML, Agile (Scrum, Kanban), MVC & layered (Controller-Service-Repository) architecture, REST APIs, OOP

Languages Spoken: English, Zulu, Xhosa (fluent)

WORK EXPERIENCE

Junior Developer | PMD Dies & Stereos Jul 2026 – Present

One of 2 in-house developers on PMD's newly formed software team, extending PMDEdge (PMDOnline), a custom ASP.NET Core Blazor Server production management ERP originally built by an external developer

- Shipped 35 merged pull requests (54 substantive commits) to the live ERP (Aug–Oct 2026) through Azure DevOps (Boards, Repos, Pipelines) and GitHub, spanning quoting, job-ticket workflow, production, warehouse/dispatch, invoicing and admin modules; each change root-caused and runtime-verified before release, supported by AI-assisted development tools.
- Fixed quoting-engine defects behind inconsistent customer pricing across the Plastic, Stereo, Label and Sheeting quote pages and bound PDF previews to the selected revision, so outdated quotes cannot reach clients; built a fail-closed safeguard that holds unstarted tasks on queried job tickets and their linked tickets, and fixed allocation logic that routed tickets to departed staff.
- Delivered new workflows: a Guillotine Rubber workflow type backed by idempotent SQL configuration and rollback scripts, a reworked quote-revision selection flow (revision-ID routing, live cool-off countdown, new Sample revision type), a To Do priority system with delegation notifications, CAD artwork status alerts and stock-manager picking notifications.
- Resolved Blazor Server UI defects (page-refresh hangs, vanishing navigation, pop-ups hidden by CSS stacking contexts), rewrote operator shift clock-in logic against a 20-case truth table with a new xUnit test project, replaced duplicated QC-checklist matching with a shared matcher covered by 36 unit tests, and identified two high-severity notification-system issues (messages broadcast to all connected users; an ineffective recency filter) and raised them for fixing.
- Fixed an invoicing wizard crash and stuck invoices, sanitised archive file paths, and restored 535 machine-schedule records missing dates with a scripted data fix applied to both sample and production databases.
- Independently designed and built Flexopedia, an internal documentation platform embedded in PMDEdge, covering Artwork Origination, Stereo/Plate/Die Production, Quoting, Invoicing & Dispatch; includes Admin and 8-page Reports sections, a 13-icon Job Ticket action glossary, a hand-built SVG process diagram of parallel Stereo/Plate and Die pathways, and documentation governance (content-provenance rule, change-propagation checklist).
- Built a site-wide search system from scratch (Python indexing script, weighted multi-field relevance scoring, ARIA-accessible dark/light UI) that resolves natural-language queries (e.g. "how to create a job ticket") across the full application.
- Independently developing a dispatch route-planning system (C#, Blazor Server, Dapper, Leaflet/OpenStreetMap) that geocodes delivery addresses via Nominatim, clusters stops into optimised trips and generates driver TripSheets; currently extending route lines to OSRM road-following paths.

Event Support & Client Liaison (Part-Time) | Bosse Events Jan 2026 – May 2026

- Supported client-facing event coordination, managing responsibilities to tight deadlines with professionalism and adaptability.

Bartender (Part-Time) | Thirst Bar Services & The Bar Business Jan 2025 – May 2026

- Managed high-volume service environments requiring sustained accuracy, multitasking and reliable execution under pressure; maintained precise transaction records against performance targets.

Administrative & Data Capture Assistant | O.R. Tambo Memorial Hospital Jul 2024 – Sep 2024

- Performed accurate, high-volume data entry across departments, verifying records for completeness and correcting errors before submission; managed sensitive patient information with strict confidentiality — directly transferable to IT operations and support roles.

PROJECTS

DispatchTrack — Full-Stack Logistics Dispatch Platform Oct 2026 – Present

Personal Project | React 19, TypeScript, ASP.NET Core 10, PostgreSQL, Redis, Docker, GitHub Actions | github.com/Ang3loSP/DispatchTrack | Live demo: dispatchtrack.onrender.com

- Architected & delivered a role-based (Admin, Dispatcher, Driver) dispatch platform with a live dashboard & mobile-first driver portal, deployed at $0/month on Render, Neon & Upstash as a single Docker container.
- Implemented JWT auth (15 min) with rotating httpOnly refresh tokens (7 days, SHA-256 hashed, replay detection, revocation on logout) & rate-limited endpoints.
- Designed a server-enforced job state machine (Pending → Assigned → InTransit → Delivered/Failed) using PostgreSQL xmin optimistic concurrency & a full audit history.
- Built an accessible React frontend (TanStack Query, Tailwind v4 design system, 8 hand-rolled UI primitives) meeting WCAG AA: focus traps, keyboard navigation & 48dp touch targets.
- Added non-critical cache-aside Redis caching (30s TTL, transparent DB fallback) to keep serverless PostgreSQL compute cold; the /health endpoint makes zero dependency calls.
- Established a GitHub Actions CI/CD pipeline (50 passing xUnit integration tests, frontend typecheck/lint/build, multi-stage Docker build) with deploys gated on green CI via a Render deploy hook; documented trade-offs in 5 ADRs.

SmartGear Online — Full-Stack E-Commerce Platform 2025 – Present

AIE Academic Project | ASP.NET Core 8, C#, SQL Server, EF Core, Azure | github.com/Ang3loSP/SmartGear-Online

- Building a full e-commerce application on ASP.NET Core MVC (products, cart, authentication, order processing) over a code-first EF Core/SQL Server database; integrated SignalR and xUnit tests, deployed to Azure with CI/CD.

TechStock IMS — Inventory Management System 2026

Personal Project | ASP.NET Core 8 MVC, C#, EF Core, SQL Server, ASP.NET Identity, xUnit, Moq | github.com/Ang3loSP/TechStock-IMS

- Built a role-secured inventory system for computer hardware stock using a layered Controller-Service-Repository architecture, with a public REST API (pagination, low-stock/category filters, delta-based PATCH stock adjustments).
- Added a live analytics dashboard, 5-minute in-memory caching with write-invalidation, and custom middleware for security headers, logging and exception handling; covered with xUnit + Moq unit tests.

BugTrack — Bug & Test Case Management System 2026

Personal Project | ASP.NET Core 8 MVC, C#, EF Core, SQL Server, Bootstrap 5 | github.com/Ang3loSP/BugTrack

- Built a QA-focused app modelling the core defect/test-case workflow, with a server-enforced bug status lifecycle (New → In Progress → Fixed → Retest → Closed/Reopened) and per-execution test run history.
- Developed bidirectional bug-to-test-case linking and a dashboard summarising open bugs by priority/status, test case counts and pass rate, with filtering and keyword search.

CERTIFICATIONS

Generative AI for Developers | WeThinkCode_ Completed May 2026

- Training in prompt engineering, AI-assisted debugging, code refactoring and algorithm deconstruction; applied practically in Python and C# development workflows.

EDUCATION

Occupational Certificate: Full Stack Software Developer (NQF Level 5) Jul 2025 – Present

Academic Institute of Excellence (AIE), Johannesburg, SA — NQF Level 5 is equivalent to a post-secondary diploma

- Software Development: HTML5, ASP.NET Core MVC, C#, Python (in progress), algorithms, SDLC & security.
- Data & Analytics: SQL, web scraping, Power BI, visual analytics, data querying & manipulation.
- Cloud & Automation: Microsoft Power Platform, Azure cloud automation, Azure DevOps.
- Professional: UML modelling, design thinking, software governance, legislation & ethics, computing theory.

IT Foundation Programme 17 Feb 2025 – 7 Jul 2025

Academic Institute of Excellence (AIE), Johannesburg, SA — preparatory bridging coursework

Information Technology & Computer Science (NCV Levels 2-3) 2023 – 2024

EWC TVET College — Systems Development, Information Systems, Mathematics, Electronics, Computer Fundamentals & Project Management

National Senior Certificate examinations completed 2021 – 2022

Acudeo College Crystal Park

ADDITIONAL INFORMATION

- Able to work reliably in remote environments — stable home internet connection and dedicated professional workspace.
- Open to coaching, structured onboarding and continuous learning — fast learner who follows through with accuracy.