

Phiwakonke K. Mthethwa

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A motivated and detail-orientated Junior Full Stack Developer experienced in building scalable and responsive web applications using C#, .NET, Angular, React, Node.js, TypeScript, PostgreSQL and SQL. I am passionate about solving real-world problems through tech modern software engineering practices and continuously expanding my skills. I am very eager to begin my career in the Dev/Engineering space where I can apply my knowledge, grow as a developer, and deliver high-quality, user-focused solutions.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Go, SQL, HTML5, CSS3.

Frontend: Angular, React, TailwindCSS, Redux Toolkit, Vite.

Backend: .NET, ASP .NET Core, Node.js, Express.js, REST APIs, MediatR (CQRS), Entity Framework Core.

Databases & ORM: MongoDB, Prisma ORM, PostgreSQL, SQLite.

Framework Tools: GitHub, GitHub Actions, Docker, Vercel, Render, Cloudinary.

PROJECTS

[AfriHaul](#) | *Tech Stacks: C#, TypeScript, Angular, SQLite*

- Built AfriHaul, a full-stack logistics platform in beta that handles shipment management, load booking, and role-based access control for shippers and carriers across South Africa and the SADC Region. AfriHaul has a CQRS architecture with MediatR and Entity Framework Core, RESTful APIs, Angular Frontend, SQLite for development with PostgreSQL planned for production. I'm currently in beta testing for v2 to improve performance and UX, scalability and performance.

[DevBoard](#) | *Tech Stack: Go, TypeScript, React, Redux Toolkit.*

- Built a developer task management board with a Go Backend and React/TypeScript Frontend, using Redux Toolkit for state management across task boards, filters, and drag-and-drop workflows.

[Solana-Villas](#) | *Tech Stack: TypeScript, Prisma, PostgreSQL (Neon), Cloudinary.*

- Built a holiday experience booking website for Mpumalanga guest houses in HazyView, using Prisma and PostgreSQL (Neon) for the reservation data and Cloudinary for optimized image delivery across villa listings.

[DataPulse](#) | *Tech Stack: TypeScript, Recharts, Vite, React, and TanStack Query.*

- Built a real-time analytics dashboard visualizing live revenue, traffic, and error-rate metrics using TanStack Query for data fetching/caching and Recharts for interactive visualizations.

EXPERIENCE

Zaio Institute Of Technology

October 2025 – May 2026

Junior Full Stack Developer (Academic Projects)

Remote

- Built multiple responsive full-stack web applications using React, Node.js, Express.js and SQL as part of an intensive full-stack development programme.
 - Developed responsive user interfaces with React, HTML5, CSS3, and JavaScript, ensuring compatibility across desktop and mobile devices.
 - Managed source code using Git and GitHub, creating feature branches, tracking changes, and maintaining version history throughout project development.
 - Identified and resolved frontend and backend bugs using browser developer tools, Node.js debugging, and systematic testing to improve application reliability.
 - Applied component-based architecture, clean code principles, responsive design, and modular development practices across multiple academic projects.
 - Created reusable components and maintained clean, modular, and maintainable code.
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EDUCATION

Desh Bhagat University. Amloh, India

B.Tech in Mechanical Engineering.

Aug 2021 – May 2025

Relevant Coursework and Skills Developed:(Project Management,CAD,Design Engineering).

- *I developed a strong analytical and problem solving ability through mechanical design and mathematical analysis.*
- *I learned structured programming concepts using C and C++,building foundation in algorithms,logical thinking and software development principles.*
- *Critical thinking and the ability to solve complex technical problems using systematic reasoning and engineering techniques helped me build myself and develop skills in project planning,teamwork,and communication through projects and lab work,which enabled me to be attentive to a lot of detail.*

Zaio Institute Of Technology. Cape Town,South Africa

NQF5 in Web Development(Bootcamp)

Nov 2025 – May 2026

Key Skills & Knowledge Gained

- Built full-stack web applications using modern frontend and backend technologies, following industry-standard software development practices. Learned to design scalable RESTful APIs, integrate databases, and implement secure authentication and authorization. Gained hands-on experience using Git, GitHub, and collaborative development workflows. Strengthened debugging, testing, and problem-solving skills through practical projects and a full-stack capstone application. Developed a strong understanding of clean code principles, component-based architecture, responsive design, and modern software engineering practices. Improved collaboration, adaptability, and continuous learning by working on real-world projects in a fast-paced bootcamp environment.

Reference:

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