

Sibonelo Nkosi

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Professional Summary

Senior Software Engineer specializing in advanced JavaScript, frontend architecture, and high-performance UI development. Over 5 years building production systems across web and mobile using React, React Native, AJAX, Twig, Material UI, and Node. Modernized legacy PHP/Twig portals into React-based experiences and introduced automated testing (Jest, Cypress, Playwright) across multiple teams. Strong collaborator with designers, backend engineers, and QA, with full-stack and AWS experience as a value-add.

Core Skills

JavaScript (Advanced), Node.js, TypeScript, React, React Native, PHP, Laravel, AJAX, HTML5, CSS3, Tailwind, Material UI, Responsive UI, MVC patterns, SPA architecture, Cross-browser compatibility, Performance optimization, State management, UI/UX collaboration, PostgreSQL, MySQL, RESTful APIs, GraphQL, AWS

Testing & Tooling

Jest, Cypress, Playwright, Git, Docker, CI/CD, Agile, REST APIs, API integration, e2eTesting, PHPUnit, Chrome DevTools, Debugging, Swagger Documentation, Jira, Confluence, Bitbucket, GitHub, Python (scripting), Data visualization

Experience

Senior Full Stack Developer (AWS Specialisation)

Jun 2024 – Present

GapDraught

- Architected and modernized the legacy PHP/Twig portal into a **React + MUI** frontend, improving performance, maintainability, and usability for operational teams.
- Developed new UI components and frontend modules using advanced JavaScript, TypeScript, React, AJAX calls, and REST API integrations.
- Maintained and improved BarApp & BrewerApp across Android and iOS; implemented new features, fixed bugs, optimized UI performance, and handled App Store/Play Store releases.
- Introduced company-wide automated testing: **Jest** for unit tests, **Cypress** for end-to-end flows, and **Playwright** for cross-browser regression. Integrated test suites into CI/CD.
- Built ingestion pipelines for IoT, POS, and operational metrics; prepared datasets for QuickSight dashboards using modern DevOps practices and methodologies.
- Improved data-processing performance and reduced AWS costs by optimizing S3 storage classes and removing unused resources.
- Collaborated with internal teams and partner companies to deliver frontend + backend features.
- Used Jira, Confluence, Bitbucket, and GitHub for project management, documentation, and code collaboration in an agile environment.

Full Stack Developer

Oct 2023 – May 2024

DMA Software

- Built frontend experiences and mobile interfaces enabling consumers to interact with business systems.
- Led junior developers in building and deploying new features; established testing and code-review practices.
- Designed REST APIs, managed SQL databases, and created dashboards showing team productivity and workflow performance.
- Delivered an MVP Android application 8 weeks early and under budget.

Intermediate Developer / Performance Lead

Dec 2021 – Oct 2023

We Think Code

- Built internal dashboards, reporting tools, and UI flows to track student performance across cohorts.
- Designed KPIs, analytics workflows, and data validation processes still in use today.
- Led software development and performance teams; collaborated with designers, engineers, and operational managers.

Junior Software Developer

Nov 2020 – Nov 2021

We Think Code

- Built frontend interfaces for the Student Records System; migrated the organization from spreadsheets to a full CRM-style system.
- Improved student onboarding and assessment workflows through better UI and testing practices.

Education

BSc Computing, University of South Africa (2026)

Higher Certificate, Data Science, Explore Data Science Academy (2021)

Higher Certificate, Software Engineering & Development, We Think Code (2019–2021)

Certifications: Microsoft Certified: Azure Developer Associate (2026)