

Alassane Ndoye

Software Engineer | Dakar, Senegal | linkedin.com/in/aloutndoye | github.com/aloundoye | aloutndoye.an@gmail.com | +221771302336

Results-driven Software Engineer with 5+ years of experience designing and implementing scalable, efficient, and impactful applications. Proficient in JavaScript/TypeScript, specializing in React, Node.js, and PostgreSQL.

Work Experience Medic App Developer Feb 2024 - Dec 2024

- Designed and deployed Community Health Toolkit (CHT) applications for Ministries of Health in Mali, Côte d'Ivoire, and Nepal, significantly improving community health workflows.
- Built interactive dashboards using Apache Superset and PostgreSQL, accelerating report generation processes.
- Enhanced CHT Core libraries to improve localization and overall system functionality, optimizing performance for thousands of end-users.
- Improved user management tools to reduce administrative effort and simplify workflows.
- Conducted thorough code reviews to uphold best practices, ensuring high code quality and maintainability.

AKADEMIYA2063 Web Developer Feb 2023 - Mar 2024

- Developed GIS-powered web platforms for geospatial data visualization using Leaflet, Highcharts, and PHP, enhancing agricultural forecast analysis capabilities.
- Engineered a high-performance dashboard that manages millions of data points, significantly improving data load times.
- Led the development of a custom data analytics platform, streamlining processes and reducing the need for manual data handling.
- Collaborated cross-functionally to integrate user feedback, increasing dashboard adoption and usability.

Société Générale Sénégal Software Engineer Mar 2022 - Dec 2022

- Revamped banking applications to enhance transaction processing speed and overall efficiency.
- Streamlined internal workflows by optimizing database interactions, resulting in faster query execution.
- Designed secure, user-centric front-end systems, maintaining a flawless security record throughout tenure.
- Collaborated with software development and testing teams to design and implement robust solutions that meet internal and client requirements for functionality, scalability, and performance.

Jolof Digital Full Stack Developer

Sep 2019 - Feb 2022

- Delivered numerous full-stack applications using React, and Node.js, consistently meeting project deadlines.
- Built headless applications with Next.js and Strapi, significantly improving page load efficiency and performance.
- Conducted extensive code reviews to enhance code quality, minimize bugs, and ensure optimal performance.

Skills

Languages	HTML, CSS/SASS, JavaScript, TypeScript, PHP, Java, Python
Frameworks & Libraries	React.js, Node.js, Redux, Next.js, Laravel, Express.js, Nest.js, Spring
Databases	PostgreSQL, SQL Server, MySQL, MongoDB, Redis
Tools	Apache Superset, Highcharts, GIS, Leaflet, ODK, KoboToolbox
Others	CI/CD, SSH, Webpack, Parcel, AWS Lambda, Docker, PWA, Software Testing,

Education

ECOLE SUPERIEURE POLYTECHNIQUE DE DAKAR Master of Engineering in Computer Science	Dec 2020 - Dec 2022
ECOLE SUPERIEURE POLYTECHNIQUE DE DAKAR Associate Degree in Computer Science	Oct 2018 - Nov 2020

Languages

FRENCH	Fluent
ENGLISH	Advanced