

MAHAMADOU SOULEY

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FULL-STACK ENGINEER (React, Node.js, .NET, Python)

Software Engineer with 3+ years of building scalable, secure web applications across the entire technology stack. Proven expertise translating business requirements into technical solutions using React, Node.js, .NET, and Python. Successfully delivered high-quality applications that are responsive, performant, and user-friendly across startup and enterprise environments.

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer | 02/2025 – Present

Gabera, Niger/Switzerland/Liechtenstein

- Design and develop both frontend (Blazor components in MAUI) and backend (C# class library with RESTful APIs) components for enterprise reporting framework serving clients across multiple industries
- Build and consume RESTful APIs connecting reporting framework to diverse database systems (SQL Server, PostgreSQL, MongoDB), enabling unified data access and automated report distribution
- Write clean, maintainable code with comprehensive error handling and optimization for performance across WPF and MAUI applications
- Debug and optimize existing codebase, improving report generation speed and system reliability for production environments
- Collaborate in the development of a low-code platform where I integrated the Reporting Framework in the workflows, hence the user can add reporting features in his generated application via configuration

Full Stack Software Engineer | 12/2023 – 02/2024

LEGALTECH PRIORITIES, Niger

- Developed SaaS application using React (Next.js), Node.js (Nest.js), and MongoDB with multitenant architecture, enabling law firms to manage cases centrally and securely
- Built RESTful APIs and implemented real-time features for case status updates, improving collaboration between attorneys and clients
- Ensured application security through proper authentication, authorization, and data isolation between tenants in cloud-based deployment
- Designed responsive interfaces that work seamlessly across desktop and mobile devices, increasing user adoption rates
- Debugged and troubleshooted production issues, implementing monitoring and logging solutions for faster issue resolution

Full Stack Developer | 07/2022 – 03/2023

CodeLoccol, Niger

- Built complete learning platform using MERN stack (MongoDB, Express.js, React, Node.js) managing 100+ users with project submissions, peer evaluations, and progress tracking
- Developed and maintained RESTful APIs connecting frontend applications to MongoDB database with proper validation and error handling
- Created Discord bot using Node.js automating student supervision and real-time activity monitoring, demonstrating problem-solving with creative technical solutions
- Wrote testable, maintainable code following best practices for scalability and performance optimization
- Collaborated with instructors to gather requirements and iteratively improve platform features based on user feedback

Full Stack Developer & Data Engineer | 11/2022 – 12/2022

UNESCO-India-Africa Hackathon 2022, India

- Represented Niger as finalist among 100 teams from 23 countries, developing Python-based solution for energy consumption analysis using Google Earth Engine API
- Created data extraction pipelines to process and analyze nighttime satellite imagery data for energy intensity analysis across geographic regions
- Collaborated as full-stack developer in the development of the presentation platform, contributing to both frontend and backend implementation
- Demonstrated strong problem-solving skills under 36-hour time constraint, delivering working prototype and presentation to judges

TECHNICAL SKILLS

Frontend: React, Next.js, Redux, JavaScript, TypeScript, HTML5, CSS3, Responsive Design, Blazor

Backend: Node.js, Express.js, Nest.js, .NET Core, Python, Ruby on Rails, RESTful APIs

Databases: MongoDB, PostgreSQL, MySQL, SQL Server (relational & non-relational)

Cloud & Tools: Git, Docker, VS Code, Visual Studio, API Testing (Postman)

Practices: Agile/Scrum, Code Review, Unit Testing, API Design, Problem-Solving, Cross-functional Collaboration

EDUCATION

Full-Stack Developer, Computer Software Engineering | 03/2023 – 03/2024

Microverse, Remote

Activities and societies: Peer Programming, collaboration, Communication, Ruby on Rails, JavaScript, React, Remote

Microverse is a remote school for software developers.

- Students earn this credential after working through 1500+ hours of remote pair programming, learning to code with teams from around the world
- Spent 1300+ hours mastering algorithms, data structures, and full-stack development while simultaneously developing projects with Ruby, Rails, JavaScript, React, and Redux
- Developed skills in remote pair-programming using GitHub, industry-standard git-flow, and daily standups to communicate and collaborate with international remote developers

MERN Full-Stack Developer | 01/2022 – 01/2023

CodeLoccol, Niamey, Niger

- 2,600+ hours hands-on training in MongoDB, Express.js, React, and Node.js with project-based and collaborative learning

Intensive Pre-Engineering Foundation Program (CPGE) | 01/2020 – 12/2022

Université Tunisienne Internationale, Niamey, Niger

- Completed a highly selective two-year intensive curriculum specializing in advanced Mathematics and Physics (MP track)
- Underwent 60+ hours per week of rigorous academic training to prepare for national and international competitive entrance exams
- Core Coursework: Advanced Calculus, Linear Algebra, Thermodynamics, Electromagnetism, and Engineering Sciences

LANGUAGES

French: Native | **English:** Advanced (Professional Working Proficiency)