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Top Skills

Project Management

Team Leadership

Teamwork

Mohammed Abubakar

Chief Operating Officer | Technology & Product Leader | AI/ML Engineer | Full-Stack Engineer | Software Architect | React.js • Node.js • Laravel • PHP • React Native

Abuja, Federal Capital Territory, Nigeria

Summary

My name is Mohammed Lawal Abubakar. I am married with three wonderful children, and we live in Niger State, Nigeria. I hold a degree in Computer Science, which I completed six years ago, and I have over seven years of professional experience in software development.

My journey in the tech industry has been both challenging and rewarding. Over the years, I've honed my skills in PHP, with over seven years of experience, and I have developed a strong proficiency in Laravel over the past five years. My expertise extends to front-end technologies, where I have a solid foundation in HTML, CSS, JavaScript, and jQuery, and I have successfully built applications using React and Node.js.

In my current role, I lead a team of developers, where I also serve as a project manager for multiple software projects. This role has enhanced my leadership and project management skills, enabling me to effectively coordinate team efforts, manage timelines, and deliver high-quality software solutions.

I am passionate about continuous learning and growth. I believe in the power of teamwork and often learn from my colleagues and team members. Writing clean, comprehensible code is a priority for me, and I am always keen on adopting industry best practices.

Experience

3Deez Global Investment Limited

Chief Operating Officer

May 2025 - Present (1 year 5 months)

As Chief Operating Officer, I lead the company's operational strategy and execution, with a strong focus on technology, AI-powered product development, business process optimization, and organizational growth.

I work across leadership, product, engineering, design, and business functions to translate strategic objectives into practical solutions, successful products, and measurable results.

Key responsibilities and areas of impact:

- Lead day-to-day business operations and coordinate cross-functional teams.
- Develop and implement operational and technology strategies aligned with company objectives.
- Oversee digital and AI-powered product delivery from concept and architecture through development, deployment, and continuous improvement.
- Lead the adoption and integration of AI/ML technologies, including large language models, Retrieval-Augmented Generation (RAG), embeddings, vector databases, intelligent automation, and third-party AI APIs.
- Guide the development of AI-powered solutions across EdTech, assessment, virtual try-on, business automation, and other digital products.
- Evaluate cloud-based and self-hosted AI models based on accuracy, scalability, privacy, infrastructure requirements, and operating costs.
- Coordinate product, engineering, design, and business teams to ensure effective execution and alignment.
- Support strategic partnerships, business development, and organizational scaling.
- Monitor performance, identify operational gaps, and implement continuous improvement initiatives.
- Promote a culture of accountability, collaboration, innovation, and continuous learning.

Core areas: Operations Management · AI/ML Strategy · AI Product Development · Technology Strategy · Product Delivery · Team Leadership · Process Automation · Software Architecture · Quality Assurance · Digital Transformation · Strategic Planning · Organizational Scaling

Eduflix Limited

Full Stack Developer

June 2023 - June 2026 (3 years 1 month)

Worked as a full-stack developer building and maintaining web applications and digital learning solutions.

Key responsibilities:

- Developed responsive and scalable web applications using React.js and Node.js.
- Designed and implemented backend APIs and application services.
- Worked across frontend and backend components to deliver complete product features.
- Designed and integrated databases and application data models.
- Collaborated with product and development teams throughout the software development lifecycle.
- Debugged, tested, optimized, and maintained production applications.
- Participated in the design and implementation of new features and system improvements.
- Applied software engineering best practices to improve maintainability, reliability, and performance.
- Technologies: React.js · Node.js · JavaScript · REST APIs · Database Systems · Git

Silex Secure

Full Stack Engineer

March 2020 - June 2023 (3 years 4 months)

Abuja

Worked on the development of web applications, APIs, dashboards, payment integrations, and business systems across multiple projects.

EatNaija

- Developed RESTful web APIs using Laravel/PHP for the mobile application.
- Built the administrative dashboard using HTML, CSS, JavaScript, and Laravel.
- Developed client and logistics dashboards for managing business operations.

- Designed and implemented backend functionality and database operations using MySQL.
- Worked with the team to deliver the platform successfully to the client.

Sonocare

- Contributed to the development and maintenance of the company's web platform.
- Worked with the development team on APIs supporting the mobile application.
- Integrated Paystack payment services using Laravel.
- Collaborated with the mobile development team on API requirements and video-call functionality.
- Worked with MySQL for application data management.
- Loan Management System
- Contributed to the development of a fintech/loan management platform using React.js and Node.js.
- Developed user registration, authentication, and dashboard functionality.
- Designed and implemented frontend components using React.
- Worked with MongoDB for application data storage.
- Integrated Paystack and Flutterwave payment services.
- Collaborated with the development team to improve application functionality and user experience.
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Technologies: JavaScript · React.js · Node.js · PHP · Laravel · MySQL · MongoDB · REST APIs · Paystack · Flutterwave · Git

Keypoint Global Limited

Software Consultant

January 2021 - March 2022 (1 year 3 months)

Kaduna State, Nigeria

Provided software engineering and technical consulting services for a fintech company focused on deposits and payment processing.

- Contributed to the development of financial technology applications.
- Developed application components using Node.js, PHP, and Laravel.
- Built reusable frontend components and interfaces using React.
- Applied object-oriented programming principles and software design methodologies.
- Collaborated with the team to translate business requirements into technical solutions.

- Supported application development, debugging, testing, and continuous improvement.
- Contributed to the design of maintainable and scalable application architecture.

Technologies: Node.js · React · PHP · Laravel · JavaScript · Git

Ibb University Lapai

Software Engineer

August 2018 - January 2022 (3 years 6 months)

Minna, Niger State, Nigeria

Worked on the development, maintenance, and improvement of university information systems and digital platforms.

Result Management System

- Developed both frontend and backend components of the university result management system.
- Built the frontend using HTML, CSS, and JavaScript.
- Developed backend services using PHP and Laravel.
- Used Electron to package the system as a desktop application.
- Monitored system performance and resolved application issues.
- Tested new functionality, identified bugs, and implemented fixes.
- Developed project plans and contributed to technical decision-making.
- Established and followed software development practices and standard operating procedures.
- Collaborated with team members to coordinate project activities and deliver technical solutions.

Student Support / Ticketing System

- Developed a standalone ticketing and support application using React, Node.js, and MongoDB.
- Designed both frontend and backend components.
- Implemented features to improve communication and support between users and the institution.

Student Mobile Application

- Developed mobile applications using React Native.
- Converted selected desktop/web-based student services into mobile applications.

- Developed a mobile platform that improved students' access to academic materials and digital services.
- Contributed to improving students' access to learning resources and examination preparation materials.

Technologies: React · React Native · Node.js · PHP · Laravel · JavaScript · Electron · MongoDB · MySQL · Git

STETiS Limited

Project Support Officer (Technology)

January 2017 - December 2017 (1 year)

Abuja

- Supported technology-related project activities, implementation, coordination, and technical operations.
- Provided technical support for ongoing technology projects.
- Assisted with project implementation and troubleshooting.
- Supported coordination between technical and project teams.
- Contributed to documentation, system support, and technical problem-solving.
- Assisted in maintaining project deliverables and ensuring timely completion of assigned technical tasks.

Technologies: SQL · Git · Software Development

Minna Institute of Technology And Innovation (MITI)

FullStack Engineer

March 2015 - March 2017 (2 years 1 month)

Minna

Developed and maintained academic management systems used for student registration, course registration, and result management.

- Built and maintained the Student Registration Portal.
- Developed the Student Course Registration Portal.
- Developed and maintained the Result Management Portal.
- Designed responsive web interfaces using HTML, CSS, and JavaScript.
- Developed backend functionality using PHP.
- Designed and managed application databases using MySQL.
- Maintained existing systems and implemented new features based on institutional requirements.
- Troubleshot application issues and supported users of the platforms.

Technologies: PHP · MySQL · JavaScript · HTML · CSS · SQL · Git

Itbaez solutions

Software Developer

October 2015 - November 2016 (1 year 2 months)

Minna

Worked on the development and maintenance of PHP-based web applications and business systems.

- Developed clean and maintainable PHP web applications.
- Implemented new features and enhanced existing applications.
- Integrated online payment platforms into web applications.
- Designed and implemented database functionality using MySQL.
- Debugged application issues and implemented fixes.
- Worked with the development team to deliver client requirements.
- Supported application testing, deployment, and maintenance.

Technologies: PHP · JavaScript · MySQL · HTML · CSS · Git · Payment API
Integration

Education

Ibb University Lapai

Bachelor's degree, Computer Science · (2009 - 2013)