

MICHAEL D. ADESINA

Software Development Engineer

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PROFESSIONAL SUMMARY

Senior software engineer with over 8 years of experience in full-stack development using .NET, React.js, and modern JavaScript frameworks. Deep understanding of OOP, async programming, and relational/document-based databases. Experienced with SDLC, cloud services (Azure, AWS), DevOps practices, and mentoring development teams. Known for adaptability, strong system design, and a collaborative, quality-focused approach.

SKILLS

- **Languages:** C#, Rust, JavaScript, TypeScript, Python, Solidity, SQL, HTML, CSS, C++, XML, XAML
- **Frameworks / Libraries:** .NET Core, React.js, Next.js, Angular, WPF, Entity Framework, Nest.js, Prisma, Express.js
- **Cloud & Tools:** Azure, AWS, GCP, Azure DevOps, GitHub Actions, Docker, Redis, PostgreSQL, MongoDB, CosmosDB, Microsoft SQL Server.
- **Methodologies:** Async Programming, CI/CD, SDLC, System Design, TDD, DevOps, Performance Tuning, Agile
- **Soft Skills:** Team Leadership, Communication, Ownership, Mentorship, Collaboration, Fast Learning, Adaptability

PROFESSIONAL EXPERIENCE

EDUREX Technologies (Ibadan, Oyo State, Nigeria) – Hybrid

Lead Backend Developer (Dec 2023 – Present)

- Engineered scalable full-stack applications using .NET Core (C#), MSSQL, and React.js, optimizing system performance by 30%.
- Integrated Azure Cloud Services, boosting deployment efficiency and reducing manual errors through CI/CD pipelines.
- Mentored junior developers and enforced clean code practices through regular code reviews and Git-based workflows.
- Spearheaded system-wide migration to Entity Framework Core and MSSQL for enhanced data integrity and maintainability.

Grandida LLC (Miramar, Florida, United States) – Remote

Lead Backend Engineer (Jun 2023 – Nov 2023)

- Built and maintained enterprise-grade APIs with .NET Core, C#, and PostgreSQL, supporting multi-tenant SaaS systems.
- Applied DevOps practices with AWS/Azure and GitHub Actions to automate deployments and improve software quality.
- Collaborated with frontend teams using React.js, ensuring seamless integration across the tech stack.

DevOps Engineer (May 2023 – Jun 2023)

- Designed and implemented CI/CD pipelines using Azure DevOps, GitHub Actions, and AWS, increasing deployment efficiency by 40%.
- Collaborated with developers to troubleshoot production issues and resolve system performance bottlenecks in .NET-based enterprise apps.
- Conducted automated security checks, ensuring secure, auditable build pipelines aligned with SDLC and DevOps standards.
- Partnered with cross-functional teams to monitor and optimize system reliability in cloud-based environments.

Web 3 Development Engineer (Jun 2022 – May 2023)

- Developed full-stack Web3 applications using React.js, Next.js, and smart contracts with Solidity and Rust.
- Integrated blockchain functionality with cloud services and ensured secure, responsive user interfaces.
- Applied problem-solving and critical thinking to deliver reliable systems across diverse JS frameworks.
- Participated in team-based delivery of decentralized solutions, following SDLC and testing best practices.

JIT Solutions Information Technology (Akure, Ondo State, Nigeria) – On Site

Administrative Manager | Software Development Engineer (Mar 2022– May 2023)

- Built scalable and maintainable .NET Core enterprise apps using C#, ASP.NET, and SQL-based databases.
- Wrote unit and integration tests to ensure code quality and maintainability while contributing to technical documentation.
- Collaborated with designers and PMs to align business requirements with system architecture.
- Delivered technical training in .NET and software design patterns, mentoring junior developers.

Tolex InfoTech Limited (Esa - Oke, Osun State, Nigeria) – Remote

Software Development Engineer (Jan 2015 – Mar 2022)

- Delivered full-stack applications using .NET, JavaScript, and TypeScript, integrating with relational databases and third-party APIs.
- Participated in solution design, system testing, and iterative delivery with teams using Agile methodology.
- Implemented modular, maintainable codebases, and contributed to internal technical documentation and reviews.
- Supported internal infrastructure development and provided IT consultancy for business operations.

ACHIEVEMENTS

Reduced Deployment Time by 40%

Designed and implemented automated CI/CD pipelines using GitHub Actions and Azure DevOps, cutting deployment time by 40% and increasing release reliability across both Web3 and enterprise systems.

Optimized .NET Core Systems for Performance

Refactored .NET Core applications for a SaaS platform, improving backend performance by 30%, reducing memory usage, and enabling scalable cloud deployment through Azure.

Led Development of DApps

Built and deployed decentralized applications across Ethereum, Polygon, and Solana using Solidity, and Rust—enabling secure interactions and seamless frontend UX via React and Next.js.

Mentored and Upskilled Engineering Teams

Provided hands-on mentorship to junior developers, led code reviews, and facilitated workshops on .NET, async design, and secure coding practices—boosting team productivity and code quality.

CERTIFICATIONS

REDIS UNIVERSITY (March 2023)

Redis for .Net Developers - [<https://university.redis.com/certificates/a4ea972067474ba887395a9eab6d14ce>]

UNIVERSITY OF NOTRE DAME (March 2023)

Ethical Leadership - [<https://coursera.org/verify/specialization/EHZPA8KZSU2Q>]

NORTHWESTERN UNIVERSITY (March 2023)

High Performance Collaboration - [<https://coursera.org/verify/S8SJ4UCR77GU>]

UNIVERSITY OF WASHINGTON (March 2023)

Introduction to Public Speaking - [<https://coursera.org/verify/F3X589Q35TVJ>]

Cousera Guided Project (September 2022)

Typescript - Learn the fundamentals - [<https://coursera.org/verify/VUKSE4LHLWUK>]

UNIVERSITY AT BUFFALO & THE STATE UNIVERSITY OF NEW YORK (September 2022)

Blockchain Specialization - [<https://coursera.org/verify/specialization/95DMQH6XPTNE>]

UNIVERSITY OF MICHIGAN (September 2022)

Python 3 Programming – [<https://coursera.org/verify/specialization/LNL3C8TREHDM>]

RICE UNIVERSITY (September 2022)

Introduction to Scripting in Python – [<https://coursera.org/verify/specialization/SX9USUQV3A9J>]

UNIVERSITY OF CALIFORNIA, SANTA CRUZ (September 2022)

Coding for Everyone: C and C++ - [<https://coursera.org/verify/specialization/XK9WY8259EFB>]

UNIVERSITY OF CALIFORNIA, DAVIS (September 2022)

JavaScript for Beginners - [<https://coursera.org/verify/specialization/5QK2QETSYPE>]

DUKE UNIVERSITY (September 2022)

Java Programming & Software Engineering Fundamentals - [<https://coursera.org/verify/specialization/D8N4ZRG9T9XH>]

Programming Foundations with JavaScript, HTML and CSS - [<https://coursera.org/verify/BP7C6XMG2YX3>]

EDUCATION

OSUN STATE COLLEGE OF TECHNOLOGY (Esa-Oke, Osun State, Nigeria)

Higher National Diploma – Computer Science | Dec 2015 – Dec 2017

- Mastered C++ and Pascal programming, creating applications using both languages.
- Gained expertise in project management, system design, and architecture.
- Created web design projects using HTML and CSS.
- Built an Android application as part of a software development assignment.
- Developed an audio steganography application in C# as the final project.

National Diploma – Computer Science | Dec 2012 – Mar 2015

- Mastered object-oriented programming with Java and developed applications, including a camouflaging worm detection system as a final project.
- Gained proficiency in Visual Basic programming and the .NET framework, creating various applications.
- Acquired expertise in digital electronics, system troubleshooting, and computer networks.
- Learned data structures, algorithms, and web design using HTML and CSS, building website projects as part of coursework.
- Engaged in hands-on programming and system development, applying knowledge through real-world projects.

LANGUAGES

English