Kelechi Amos

Full-stack Software Engineer

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Profile

- Results-driven full-stack software engineer with a proven track record in architecting and developing highly scalable and secure software solutions. Specializing in leveraging C#/.NET, Angular, and NestJS to create robust applications that meet the highest standards of performance and security.
- Proficient in deploying applications on leading cloud platforms such as AWS, Azure, Railway, and Render, ensuring optimal functionality and accessibility.

Professional Experience

Full-Stack Software Engineer, *Tenece Professional Services*　　present
Enugu, Nigeria
- Increased the efficiency of our partner's businesses by developing dotnet and angular apps, resulting in a 20% operational increase.
- My team collaborated closely with company partners to gather requirements, ensuring software solutions met specific needs and were delivered on schedule.
- We have engineered a range of RESTful APIs using .NET Core, streamlining data exchange between front-end and back-end systems.
- We maintained and updated legacy systems, ensuring continuous compatibility and minimizing system downtime.
- We also conducted comprehensive unit/integration testing using Xunit for .NET and Jasmine for angular ensuring software reliability and functionality.

Full-stack Software Engineer, *WICRYPT*　　05/2023 – 08/2023
Enugu, Nigeria
- Advanced in knowledge by participating in building and deploying dotnet and blazor applications with the senior engineers
- Developed secure software systems using C#, ASP.NET, and Blazor.
- Improved system efficiency and user experience with robust applications.
- Worked closely with my team to Manage and optimize systems on AWS for best performance and security.
- Increased user engagement through interactive web UIs with Blazor.
- Collaborated in agile projects for timely delivery of project goals.
- Adapted to emerging technologies and industry trends.

Software Engineer Intern, *Genesys Tech Hub*　　11/2022 – 05/2023
Enugu, Nigeria
- Received comprehensive training in software development with a focus on .NET and Angular technologies.
- Practiced Agile methodologies throughout the software development training life cycle, enhancing my efficiency and productivity to 30%.
- Gained hands-on experience in building, testing, and debugging applications.
- Collaborated with experienced software engineers and developers, gaining invaluable insights into professional software development.
- Participated in regular stand-ups, planning meetings, and retrospectives, further understanding the Agile development process.
- Applied learned concepts and principles in real-world projects, effectively translating academic knowledge into practical skills.

Tech Hub Training Program, *Enugu State Tech Hub*　　09/2021 – 07/2022
Enugu, Nigeria
- Completed an intensive and comprehensive training program covering web development from concept to deployment.
- Acquired proficiency in front-end technologies including Vanilla JavaScript, Vanilla CSS, and HTML.

- Gained hands-on experience in designing and styling websites using Bootstrap for responsive and user-friendly interfaces.
- Developed dynamic and interactive features using PHP for server-side scripting.
- Collaborated with peers on the development of a fully functional e-commerce site, showcasing end-to-end project management skills.

Projects

Hostel Management System (HMS) | Blazor & C#/.NET | AWS Infrastructure ∂
06/2023 – 08/2023

- Developed a comprehensive Hostel Management System to streamline hostel operations, improve room allocation efficiency, and enhance resident experiences using Blazor and C#/.NET.
- Enabled automatic room allocation based on resident preferences and availability, reducing manual intervention by 80%.
- Incorporated secure and seamless online payment methods for hostel fees, reducing payment reconciliation times by over 60%.

Achievements
- Improved room allocation efficiency by 75% compared to the previous manual system.
- Received positive feedback from 95% of users, citing enhanced features and improved user experience.
- Technical Stack: Blazor, C#/.NET, Entity Framework, AWS (EC2, RDS, SQS, SNS, S3), SQL Server.

Hospital Management System (HMS) using Angular SSR ∂
08/2023 – 08/2023

- Developed a comprehensive and scalable Hospital Management System designed to streamline hospital administrative and medical processes, increasing efficiency, patient satisfaction, and reducing operational costs.

Outcomes
- Achieved a 40% reduction in patient wait times by optimizing appointment management and real-time data access.
- Enhanced data accuracy and reduced manual errors by 35% through automation and real-time data validation.
- Decreased IT infrastructure costs by 25% by utilizing AWS's flexible and cost-effective solutions.

Online Learning Platform Development (Angular, C#/.NET, AWS) ∂
- Designed and implemented a robust online learning platform leveraging the power of Angular for the front end, and C#/.NET for the backend, optimized for scalability and user experience.

Skills

C#/.NET Core | Asp.net Core| Blazor
AWS | Railway | Render | DevOps | Testing | Microservice

Angular | React

SSMS | MySql

Languages

- English
- Igbo

Certificates

Certified C#/.NET and Angular ∂
Full-Stack Engineer | Genesys Tech Hub

Certified React Developer ∂
React | Redux | Testing.

Certified Fronted-end Developer Enugu Tech hub ∂
Js, Html | Css | B3 | Tailwind