




Amusan T. Emmanuel

Software Engineer

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Profiles			
 Toluwanimi Amusan	 Emmanueltoluwanimi	 EmmanuelTholuwa	

Summary			
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Experienced Software Engineer with 5 years of expertise in building web platforms and server infrastructures. Skilled in both frontend and backend development, specializing in the MERN stack and JavaScript technologies. I have successfully delivered software solutions across industries such as fintech, e-commerce, social media, legal systems, and utility platforms. A passionate and fast learner, I thrive in dynamic environments and bring enthusiasm to every project. With proven team leadership experience, I excel in managing and mentoring teams to achieve milestones and deliver quality results.

Experience			
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Emmy Software Labs Freelance Software Engineer, Founder	January 2024 - Present Independent Consultant
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Worked independently to design and develop innovative software products while building a foundation for my own software agency. Delivered end-to-end solutions across various industries, including **e-commerce** and **social media applications**, while mentoring team members and collaborating with talented engineers.

Key Projects:

- Gengames** (*E-commerce Platform for Gaming Products*)
 - Spearheaded the development of a robust e-commerce platform for games and gaming accessories, leading a team of four engineers.
 - Implemented both **frontend** and **backend** systems, ensuring a smooth and responsive user experience with seamless API integrations using tools such as **Nextjs**, **Nodejs**, **Typescript**, etc.
 - Designed and deployed the platform's cloud infrastructure using modern tools to guarantee reliability and scalability.
 - Developed an **order tracking system** and implemented a tailored **algorithm** to recommend personalized product feeds to users.
 - Built an admin dashboard to manage product listings, user activity, and orders efficiently, enabling smooth operations.
 - Added a blog feature with integrated **SEO optimizations** to increase user retention and platform engagement.
- Arrived Dating App** (*Social Media and Dating Platform*)
 - Collaborated with a team of software engineers to deliver a high-performance dating app where compatible users are matched seamlessly.
 - Designed and implemented a robust **matching algorithm**, improving user satisfaction by ensuring accurate connections.
 - Integrated real-time communication features like messaging and push notifications using **Socket.io** and **Firebase**.
 - Enabled geo-location tracking to match users within proximity and enhance the platform's functionality.
 - Developed a secure and scalable payment and subscription model, increasing monetization opportunities.
 - Utilized advanced infrastructures, including **GCP**, **Google Cloud Bucket**, **Redis**, **AWS Face Recognition**, **Render**, and **MongoDB**, to achieve high performance and data security.
 - Incorporated a **microservices architecture** to ensure efficient resource management and effective scaling.

Key Contributions:

- Successfully led the development and launch of Gengames, delivering a feature-rich e-commerce platform with optimized performance.
- Contributed to the successful delivery of Arrived Dating App, integrating advanced features and ensuring a seamless user experience.
- Mentored and guided team members, fostering skill development and collaboration to achieve project goals.
- Demonstrated proficiency in cloud deployment, scalable architectures, and real-time features to deliver reliable and innovative solutions.

SwipeTelecom Partner Technical Lead	November 2021 - Present
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SwipeTelecom is a utility services provider platform, that allows users to purchase and subscribe to essential utility services such as airtime, internet data, electricity, and cable TV subscriptions.

- Led the development and successful launch of **SwipeTelecom v1**, attracting **500+ users** and **100+ active users and retailers**, and now spearheading the development of **v2**, a cross-platform product (mobile and web) with improved UI and essential new features.
- Managed a team of designers and developers, overseeing the technical architecture and engineering tasks to ensure smooth and timely product delivery.
- Designed and developed key features including **e-Wallet**, **airtime recharge**, **internet data**, **electricity payments**, **cable TV subscription**, and **payment webhooks**, streamlining user transactions.
- Implemented a **Balance Sheet** logic to monitor and facilitate transactions, ensuring smooth payment processing and platform reliability.
- Developed an **API-as-a-Service** with full documentation for easy integration with third-party platforms, and created a **JavaScript SDK** published on **NPM** to simplify API adoption.
- Introduced a multi-tier **KYC** process to ensure legitimate user sign-ups and reduce fraudulent activity, along with an **outgoing webhook feature** using **RabbitMQ** for reliable data delivery.
- Integrated third-party **payment gateways**, resulting in higher transaction completion rates.
- Built a **PDF/report generator** for visualizing transaction data, leveraging **mui charts** to create professional-grade diagrams, charts and reports for data presentation, enhancing the clarity and visualization of transaction data analytics.
- Utilized a tech stack of **Flutterwave**, **Next.js**, **Node.js**, **Tailwind CSS**, and **MongoDB**, ensuring robust platform performance and scalability.
- Incorporated **data analytics** with tools like **LogRocket**, enabling data-driven decisions to improve platform efficiency and user satisfaction.

Cholatrek Juripass Project Lead Backend Engineer	February 2024 - July 2024 Contract
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Juripass is a legal tech platform revolutionizing litigation in Africa by enabling lawyers and litigants to file court documents and pay filing fees online in under five minutes.

- Led Backend Development:** Directed a team of three backend engineers to design and implement a robust platform for online court document filing and payment of court fees, achieving seamless operations in a short period.
- Microservices Architecture:** Architected and deployed a scalable microservices-based system, ensuring optimal performance, and simplified maintenance for the platform.
- Infrastructure Management:** Deployed and managed infrastructure using **Docker** for containerization, **AWS** for cloud services, and **Render** for hosting solutions, ensuring system reliability and scalability along with MongoDB and Redis for database management, caching, and ensuring data integrity.
- Team Collaboration:** Conducted code reviews, provided mentorship, and coordinated sprints, ensuring timely delivery of high-quality features.
- System Scalability:** Implemented scaling strategies to handle increasing user demand while maintaining platform stability and performance.
- Security Enhancements:** Prioritized the security of sensitive legal documents, incorporated data encryption of private information and payment data through the integration of secure protocols and industry standards.

Key Achievements:

- Delivered a fully functional and scalable platform within tight deadlines, enabling a transformative shift in how legal processes are handled in Africa.
- Enhanced the user experience by reducing the time and complexity involved in court filings and payments.
- Successfully scaled the platform to support thousands of users, ensuring zero downtime during peak usage.

AveraMaximizer Lead Full-stack Engineer	April 2022 - November 2023
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- Led a cross-functional team of 4 members, including a designer, frontend engineers, and a mobile app developer, focusing on backend development while fostering seamless collaboration across the team.
- Played a key role in technical decision-making, ensuring scalable architecture and efficient resource management, driving the successful development and deployment of the company's second version (v2) software product while maintaining backward compatibility with version 1 (v1).
- Gained expertise in **DevOps** practices, managing cloud infrastructures and scaling the product using **AWS EC2 instances**, **Docker**, and **Linux OS**, while automating deployment with Continuous Integration/Continuous Deployment (**CI/CD**) pipelines.
- Utilized a tech stack including **Nuxt.js** (Vue.js), **Tailwind CSS** for frontend development, and **Nest.js** (Node.js framework), **MongoDB**, **GraphQL**, **OAuth**, and **Firebase** services (Cloud Functions, Firestore, Authentication) for backend services.
- Led mobile application deployment for both **Android** and **iOS**, utilizing tools such as **TestFlight**, **Transporter**, **Xcode**, **Google Play Console**, and **Apple's App Store**, resulting in the successful launch of the product (**WebeLife**) on multiple platforms.
- Optimized product development timelines by implementing CI/CD pipelines, reducing deployment times, and accelerating the delivery of new features.
- Established and maintained a code review process, improving code quality and reducing critical production issues.
- Designed and developed a user-friendly admin dashboard, enhancing internal team productivity and enabling easier product management.

Aura By Transcorp Hotels Frontend Engineer	November 2021 – May 2022 Contract
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- Collaborated with a dynamic team to develop a cutting-edge booking and reservation platform for **Transcorp Hotels**, focusing on frontend development and overall platform enhancement.
- Utilized **React.js** to build responsive user interfaces, **TypeScript** for improved code reliability, and **Tailwind CSS** for polished visual design, creating an intuitive and visually appealing experience.
- Played a key role in the **Administration module** and contributed to enhancing the **User module** for a seamless platform experience.
- Designed and implemented a multi-service **online booking and reservation system**, covering categories such as **hotels** and **workspaces**.
- Introduced an **intuitive Cart feature**, allowing users to save items such as **artworks** and **food menu items** for future purchase, enhancing platform usability.
- Integrated **payment gateway services** and flexible payment plans, providing users with a secure and smooth transaction experience.
- Implemented **Firebase Analytics** to establish a robust web analytics system, enabling data-driven decision-making and continuous improvement of the platform's performance.

One4pay Frontend Engineer	July 2021 – December 2021
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- Contributed as a contract-based **Frontend Engineer**, enhancing One4pay's **fintech** product offerings by developing services, including a **CDN** and **SDK library** for **APIs**, now available as **npm** packages.
- Engineered seamless **Inline and External Payment Checkout** solutions, along with **Invoice** checkout functionality, using **JavaScript**, **Angular**, **React**, **Tailwind CSS**, and **Bootstrap** to create responsive interfaces.
- Increased **SDK** adoption by providing comprehensive **documentation** and developer support, and developed a customizable client dashboard for monitoring transactions and generating reports.
- Implemented automated testing and CI processes, improving code quality and accelerating release cycles, while collaborating with marketing team on product demos to boost engagement.

Blache Inc Frontend Engineer	January 2021 – August 2021
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- Contributed to the development of cutting-edge software solutions at Blache Inc, using React.js, Next.js, Angular, TypeScript, GraphQL, and Azure MSAL, while implementing CI/CD pipelines with GitHub Actions and Netlify for efficient workflows.
- Led the development of *Black-Pixels*, a gallery platform for African and diaspora content creators to showcase and monetize their work.
- Engineered the *Heritage-Bank Analytics* Power BI embedded platform for effective data visualization and analysis, aiding in data-driven decision-making for Heritage Bank.
- Contributed to *Afri-link*, a logistics web platform optimizing cross-border commerce and supply chain processes across Africa.

MataCare Frontend Engineer, Cofounder	September 2020 – December 2020
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- Contributed as a Frontend Engineer at MataCare, a HealthTech startup committed to providing online healthcare services tailored for women.
- Spearheaded the development of the company's homepage and blog website, playing a pivotal role in creating user-friendly and informative online resources.
- Achieved pixel-perfect implementation of designs, ensuring a seamless user experience, and employed cutting-edge frontend technologies such as React.js and Tailwind CSS to bring these visions to life.

SQI College of ICT Software Engineer Intern	February 2020 – August 2020
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- Worked closely with and under the guidance of senior software engineers at SQI College of ICT on various web projects, gaining valuable practical experience.
- Assisted in teaching frontend web development courses, including HTML, JavaScript, CSS, and React.js, to individuals eager to learn web development, contributing to the growth and development of aspiring developers.

Education			
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SQI College of ICT Software Engineering	-	Federal University of Technology, Akure Marine Science Technology	-
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Skills			
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JavaScript	TypeScript	NodeJs	NestJs
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GraphQL	DevOps	Docker	MongoDB
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MySql	Postgres	GCP	AWS- EC2, s3 etc
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ExpressJs	NextJs	NuxtJS	ReactJs
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VueJs	Angular	Cloud Functions	Firebase
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Linux / Linux Server	Git, Github, Github Actions	RabbitMQ	Redis
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SDKs/CDN	Chrome Extension Development	IOS - Appstore/Xcode	Android - GP console
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Dart/Flutter			
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Interests			
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Software Web3 and Web2 Technologies	Hobbies Table-tennis, Soccer, Video Games
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Awards	
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Best Product Team - Matacare

Hack May Hackathon