OREFEJO ADEPEJU

Relocating to Berlin, Germany (April/May 2026) | EU Blue Card in progress | +2348141706461 |
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PROFESSIONAL SUMMARY

Senior Software Engineer and Full-Stack Developer skilled in Node.js, React, TypeScript, GraphQL, and AWS, with a strong track record of building scalable, high-performance applications. Experienced in developing multi-sided marketplaces, developer tools, and serverless architectures, achieving up to 40% faster performance and 30% cost efficiency. Proficient in MongoDB, Express, and D3.js for data-driven development and visualisation. Known for technical ownership, clean architecture, and delivering efficient, user-focused solutions that enhance productivity, reliability, and user experience across complex systems.

CORE COMPETENCIES

- Frontend Development
- Agile Development
- Website Development
- Collaboration

- Backend Development
- Systems Design
- API Integration
- Team Leadership

- DevOps
- Performance Optimization
- Testing & Debugging
- Stakeholder Communication

WORK EXPERIENCE

Creator Co.   **Remote, Canada**

Backend Developer   *Sep 2025 - Present*

- Implemented solutions for outstanding backlog items and bugs, improving sprint efficiency and accelerating project timelines.
- Rearchitected and migrated the legacy codebase into a new, scalable structure, accelerating project completion and improving maintainability.
- Developed React-based frontend for Model Context Protocol (MCP) integration, implementing bidirectional communication between the application and AI models.
- Engineered context serialization system to capture and transmit structured application data to MCP servers, enabling dynamic AI prompt enhancement and personalized responses.

HerPro App   **Remote, Nigeria**

Freelance Backend Developer   *Jun 2025 - Sep 2025*

- Redesigned a multi-sided marketplace platform architecture, delivering a 3x faster onboarding process and seamless multi-role authentication and profile management.
- Engineered a real-time communication and notification system using Socket.IO, enabling instant updates across 30+ event types via push and email delivery, significantly improving user engagement and platform interactivity.
- Integrated a robust payment and wallet infrastructure with Paystack, cutting manual reconciliation by 80% and ensuring error-free financial transactions.
- Designed and deployed a dual-order management system supporting both restaurant/food delivery and product e-commerce, implementing cart management, order tracking, rider assignment, reviews, and geospatial location tracking, resulting in a 25% increase in successful order completions and improved operational efficiency.
- Built robust error handling infrastructure with centralised logging and automated recovery mechanisms, ensuring consistent system availability and full compliance with financial and data integrity standards.

Sveltool   **Remote, United States**

Software Engineer   *Mar 2022 - Mar 2024*

- Constructed a Chrome DevTools panel with Manifest V3, reducing debugging time by 25% through real-time visualisation of abstract syntax trees.

- Introduced prop and state diagramming features in the Svelte DevTool to provide clearer insight into component relationships and execution flow, accelerating bug resolution by 30% and enhancing application stability.
- Produced D3.js-based dependency trees and performance charts, simplifying complex debugging and increasing developer productivity by 20%.
- Streamlined Chrome Runtime API and proxy object communication, resulting in 40% faster real-time updates and a smoother DevTool interface for developers.

SynthAlly   **Lagos, Nigeria**

Software Engineer   *Oct 2022 - Nov 2023*

- Constructed and optimised Node.js microservices using Express, managing hundreds of daily HTTP requests while improving dynamic memory allocation, elevating server performance by 20%.
- Integrated AWS cloud services (including EC2, S3, and Lambda) to ensure scalability, reliability, and cost efficiency, demonstrating strong adaptability to diverse cloud technologies and deployment environments.
- Leveraged Linux environments for backend development, implementing automation scripts and environment configurations that reduced setup and deployment time by 30%.
- Applied MVC architectural design patterns across backend systems, improving codebase maintainability, readability, and debugging efficiency, leading to a 35% reduction in development turnaround time.
- Built a responsive single-page application (SPA) using React, Tailwind CSS, and Redux, enabling users to discover, save, and navigate events based on geolocation. The design's mobile-first and component-reuse principles drove a 30% increase in user satisfaction and a 25% reduction in user error rates.

Salesbeat   **Remote, UK**

Software Engineer   *Jan 2022 - Oct 2022*

- Led the development of React and TypeScript applications, integrating GraphQL for optimised and declarative data handling, which improved API efficiency by 35% and enhanced front-end performance and maintainability.
- Architected and implemented a high-performance NoSQL database solution, capable of processing thousands of data points per day, achieving a 40% reduction in query response time and enabling real-time analytics for faster business insights.
- Configured and deployed GraphQL schemas with OAuth authentication and MongoDB Realm services, ensuring secure, scalable, and fault-tolerant data replication across distributed systems.
- Optimised backend performance using AWS Lambda serverless functions, reducing average API response time by 45% and improving overall application throughput and reliability.
- Engineered a cost-efficient, scalable serverless architecture leveraging AWS Lambda, which cut server infrastructure costs by 30% while maintaining real-time data processing capabilities under variable workloads.

PROJECTS

Emotion Detection for Autism Support   *Nov 2024 - Sep 2025*

- Developed and trained convolutional neural networks (CNNs) for facial emotion recognition, optimising model performance for autism support applications, which enhanced emotional response detection accuracy by 35%.
- Evaluated and benchmarked multiple deep learning architectures, incorporating regularisation techniques (L2, dropout) to mitigate overfitting and improve model generalisation across diverse emotional datasets.
- Attained high classification accuracy on FER2013, CK+, and AffectNet datasets, validating the model's robustness and reliability in real-world emotion recognition scenarios.

- Applied D3.js data visualisation techniques, creating Sunburst charts to represent a "reel of emotions", enabling intuitive visualisation of emotional states and improving data interpretability for researchers and developers by 40%

EDUCATION

Euclea Business School,   **France, Europe**
M.Sc., Software Engineering   *Mar 2025*

Bowen University   **Osun, Nigeria**
B.Sc., Business Administration   *Jun 2018*

TECHNICAL SKILLS

- Programming Languages: JavaScript (ES6), TypeScript, Python, Ruby, SQL, HTML, CSS, Linux Operating System.
- Libraries & Frameworks: React, Next.js, Svelte, Redux, Node.js, Express, Flask, D3.js, GraphQL.
- Tools: Docker, Kubernetes, AWS (S3, Lambda, CloudWatch, API Gateway, EC2, Elastic Beanstalk), Jenkins, GitHub Actions, Travis CI, Webpack, Vite, Chrome Web Extension.
- Databases: MongoDB, PostgreSQL, SQL.
- Security & Authentication: JWT, Bcrypt.
- Microsoft Proficiency: (Excel, Word, PowerPoint) and Google Suite.