

Festus Osayi

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EDUCATION

Seneca College

Associate Degree in Computer Science

Toronto, ON

May. 2022 – Aug 2023

EXPERIENCE

Software Engineer

July. 2024 – March. 2025

Headstarter AI

New York, United States

- Developed and maintained highly performant React and Next.js applications using TypeScript and ES6+ features.
- Implemented server-side rendering (SSR) strategies with Next.js, improving SEO performance by 25%.
- Implemented accessibility best practices aligned with AODA and WCAG 2.1 guidelines, ensuring inclusive user experiences across devices.
- Conducted unit testing using Jest and React Testing Library, improving code reliability and reducing bugs by 30%.
- Optimized frontend performance and minimized Time to Interactive (TTI) by implementing dynamic imports and lazy loading.
- Developed and deployed scalable features on GCP (Cloud Run, Firestore) to support production-grade web apps.
- Led development of Stripe-integrated AI Flashcard SaaS platform, increasing paid user conversion rate by 20%.
- Participated in Agile ceremonies, sprint planning, and peer code reviews to ensure consistent code quality.

Frontend Developer

Nov. 2022 – April 2024

Allwood Products

Vaughan, ON

- Delivered highly responsive and accessible UI components using React, HTML5, and CSS3.
- Refactored JavaScript codebase into modular, reusable TypeScript components, increasing maintainability by 40%.
- Collaborated with designers and stakeholders to ensure WCAG-compliant UI across multiple devices.
- Integrated and tested RESTful APIs using Node.js and Postman for dynamic frontend-backend communication.
- Adopted Webpack and Vite for bundling assets and optimizing performance in web projects, resulting in a 15% decrease in loading time.
- Deployed static frontend assets to AWS S3 Buckets and integrated AWS CloudFront for global content delivery.
- Maintained clean Git workflows (feature branching, pull requests, code reviews) to streamline collaboration.

PROJECTS

E-commerce Admin | NextJS, Tailwind, GCP, AWS, NodeJS, MongoDB

- Built SSR-enabled admin portal with Next.js and Tailwind, enabling efficient product and order management.
- Integrated Google Cloud services (Firestore, Cloud Functions) and AWS S3 for storage and deployment.
- Increased admin task efficiency by 25% through real-time data sync and batch operation features.

E-commerce Front App | Rest API, NextJS, NodeJS, MongoDB, GCP

- Engineered scalable e-commerce frontend with SSR and dynamic routing using Next.js.
- Designed shopping cart functionality using React context provider and hooks for global state management.
- Implemented RESTful API layer using Node.js to fetch and manipulate product and order data.
- Enhanced accessibility and responsiveness, ensuring compatibility with screen readers and keyboard navigation.

Blog Post Web App | ExpressJS, Bootstrap, MongoDB, PostgreSQL

- Crafted a full-stack blog post web app using JavaScript, ExpressJS, NodeJS, PostgreSQL, and MongoDB
- Built the web app using the Bootstrap framework for effective styling and responsiveness
- Improved the data storage efficiently using PostgreSQL relational database management systems, leading to a 20% improvement in database query performance

TECHNICAL SKILLS

Frontend: React, Next.js (SSR), TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Material-UI

Backend & Testing: Node.js, Express.js, Jest, Postman, REST APIs

Cloud & DevOps: Google Cloud Platform (GCP), AWS (S3, Lambda), Firebase

Accessibility: AODA, WCAG 2.1, Lighthouse audits

Databases: PostgreSQL, MongoDB, Oracle, MySQL

Version Control: Git, GitHub, GitLab