

# Ayo Ogunade

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## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, C/C++, JavaScript
- **Web Development:** HTML, CSS, React, NextJS, Node.js, Flask
- **Tools:** Google Looker Studio, Google Apps Script, Git, JMapViewr, OpenStreetMap
- **Databases:** MySQL, Neon, MongoDB

## PROJECTS

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### ResumA.I - AI-Powered Resume Optimization Tool | *Next.js, TypeScript, Tailwind CSS, MongoDB, Google Gemini*

- Built a full-stack resume optimization platform that reduced users' manual editing time by 65% by developing a **Next.js** frontend with file upload parsing and a **Node.js/MongoDB** backend with **Google Gemini's** AI integration
- Increased API performance by 40% (reduced avg. response time from 1.2s to 700ms) by implementing query optimization, caching, and pagination for the resume history feature
- Improved data reliability with 99.9% uptime by designing a MongoDB Atlas cluster with soft-delete functionality and automated backups

### AyoZon – Full Stack E-Commerce Platform | *React, Python, Flask, MongoDB*

- Currently developing a full-stack e-commerce platform mimicking Amazon's product listing and ordering system.
- Built the frontend using **React**; Implemented the backend with **Python** and **Flask** for server-side processing.
- Designed RESTful API endpoints to manage product data in a **MongoDB** database, enabling seamless CRUD operations for 1,000+ simulated users.
- Integrated email confirmation functionality using **Flask** to simulate real-world transaction workflows.

### Collaborative Text Editor (For more info: [Collaborative Editor](#)) | *React, Node.js, Express, WebSocket*

- Engineered a real-time collaborative text editor with a full-stack architecture: **React** frontend and **Node.js** backend powered by **Express**.
- Implemented **WebSocket** protocol to enable simultaneous editing by multiple users across different browsers.

## EXPERIENCE

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### Software Engineering Intern | GRANTED | June – August 2025.

*Next.js, TypeScript, PostgreSQL, Prisma, NextAuth, Resend API*

- Developed and deployed a full-featured blogging system in Next.js with Prisma ORM and PostgreSQL, enabling CRUD operations, SEO optimization, and dynamic routing for 100% content management autonomy.
- Designed and implemented a clean, minimal admin interface for blog creation, editing, and publishing, improving editorial efficiency.
- Built end-to-end email verification (NextAuth/Prisma) with token management and sessionStorage persistence, reducing failed verifications by 30%
- Diagnosed and resolved OAuth authentication and email verification issues, improving user sign-in success rate by eliminating recurring login failures.

### Database Project Coordinator | The Big Event at The University of Oklahoma | September 2023 – May 2024

- Optimized engagement for 5,000+ volunteers and 200+ jobsites by implementing an efficient online volunteer registration database using Excel, MySQL, and Google Looker Studio.
- Streamlined tracking of volunteer participation, reducing registration processing time by 25%.
- Collaborated with team members to ensure accurate data management and reporting for the largest community service organization at OU.

## EDUCATION

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**The University of Saskatchewan** | *B.S in Computer Science*

Saskatoon, SK | **Expected May 2027**

**CodePath: Technical Interview Prep** | Student | September – November 2024

- Completed CodePath's 10-week technical interview prep course, collaborating on Python-based algorithms, Leetcode problems, and group projects.

## EXTRACURRICULARS

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- Annual volunteer at Uniting the Prairies Tech Conference
- Sankofatech Achievers In Technology Scholar (2% of 1000+ applicants)