

# OLUWAPELUMI ADEGOKE

+18326883860 | oluwapelps@gmail.com | Richardson, TX, USA | github.com/Pelps12 | oluwapelps.com/

## EDUCATION

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### University of Texas - Dallas

August 2020 - May 2024

Bachelor's, Computer Engineering

GPA: 3.71

- Data Structures & Algorithms, Database Systems, Computer Architecture, Embedded Systems, Operating Systems Concepts

## SKILLS

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**Programming Languages:** Python, JavaScript, TypeScript, Rust

**Technologies & Tools:** Docker, Kubernetes, Stripe

**Databases:** MySQL, PostgreSQL, MongoDB, Elasticsearch

**Frameworks:** React, React Native, Svelte, Express.js, FastAPI, Langchain, TensorFlow, NVIDIA Merlin

## PROFESSIONAL EXPERIENCE

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### 7-Eleven

Dallas, TX, USA

Software Engineer

June 2023 - August 2023

- Enhanced admin portal user experience by implementing pinned functionality to internal tables.
- Improved code readability and developer experience by introducing JSDOCs to backend API codebase
- Implemented updated Activity Directory (AD) groups throughout the entire admin portal codebase

### Amazon Web Services

Remote

SDE

May 2022 - August 2022

- Wrote a design document detailing the AWS tools and billing estimates for a tagging support tool
- Developed the tagging support as an internal tool for on-call Insights Data team members

## PROJECTS & OUTSIDE EXPERIENCE

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### Anime Recommender System

December 2023 - Present

Solo Engineer

- Scraped AniList API for user-anime interactions and performed feature engineering on the dataset.
- Created a Two Tower Model for the candidate (anime) retrieval stage of the system.

### Jonze (School Organization Management System)

February 2024 - Present

Solo Developer

- Created a custom form builder that attaches to generated events and user onboarding
- Developed an API (with documentation) that allows orgs to embed their events in their website
- Created a membership system that allows orgs to manage their membership plans
- Implemented analytics and KPIs to track organization creation, member additions and event creations.

### Kazala: An Event Ticketing System

October 2022 - Present

Lead Full Stack Developer (React, Stripe, Express, MySQL, TailwindCSS)

- Implemented a reservation system using Stripe webhooks to resolve a ticket concurrency issue.
- Developed a role-based authentication system and implemented QR Code Check-Ins.
- Deployed the website and database with Vercel and PlanetScale.

### Sakpa: A Services Marketplace

September 2022 - Present

Lead Developer (React, Stripe, Elasticsearch, MySQL, TailwindCSS)

- Built a real-time web chat using Ably and Twilio to facilitate direct communication between users and sellers.
- Designed and implemented a comprehensive appointment system, enabling sellers and buyers to seamlessly cancel, reschedule, approve, and pay for services, streamlining the transaction process.
- Successfully deployed the website and integrated Elasticsearch within a Kubernetes cluster on Vercel and Linode, respectively, ensuring scalable and robust service availability.

### ASU Website

July 2022 - Present

Full Stack Developer

- Streamlined member and activity management through a custom database schema and simplified attendance system, enhancing user experience and operational efficiency.
- Leveraged data analytics to drive insights on member retention and event performance, coupled with strategic deployment using Cloudflare Pages and Supabase for optimal service uptime.

### Mutli-Cycle Computer

January 2023 - May 2023

Solo Engineer

- Designed and implemented a custom instruction set architecture for a Harvard 32-bit address bus computer.