

Muhammad Hashir

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EDUCATION

Saint Louis University

Bachelor's in Computer Science

St. Louis, Missouri

Expected Graduation: May 2026

Relevant Coursework: Data Structures (C++), Algorithms (C++), Databases (SQL), Operating Systems (C), Distributed Computing (C/C++), Software Engineering (Java), Object-Oriented Programming (Java)

TECHNICAL SKILLS

Languages: Python, Java, C/C++, TypeScript, JavaScript, SQL

Frameworks: React.js, Next.js, React Native, Expo, Spring Boot, Spring Data JPA, Tailwind CSS, LangChain

Data/ML: Pandas, NumPy, scikit-learn, PyTorch, OpenCV, spaCy, matplotlib, seaborn, BeautifulSoup, joblib

DevOps & Cloud: Docker, AWS, MongoDB, Apache Kafka, GitHub Actions (CI/CD), Git, Trello

EXPERIENCE

Teaching Assistant - Operating Systems

August 2025 - December 2025

Saint Louis University

St. Louis, Missouri

- Graded **500+** Operating Systems studios/labs for **28** students in **C**
- Held weekly office hours for **28** students, helping debug students' code and answer questions from lecture

Software Engineer

August 2025 - December 2025

Where's Religion?

St. Louis, Missouri

- Built scalable cross-platform app with **1,000+** users using **TypeScript**, **React.js**, and **React Native**
- Deployed with **Docker**, **AWS**, and **GitHub Actions** in an **Agile** workflow following **SDLC**
- Led database migration from legacy system to **MongoDB**, migrating all user data with zero downtime

Software Engineer Fellow

June 2025 - August 2025

Headstarter

Remote

- Built production ML systems for partner startups in healthcare and real estate, supporting **1M+** users
- Built **OCR + NLP pipeline** for Mandolin handling **500+ forms/day** at **95% accuracy** ([GitHub](#))
- Built **recommendation engine** for Automax AI, reducing review **90%** and saving **\$80K+/yr** ([GitHub](#))

Software Engineer Intern

June 2023 - August 2023

Geez Creationz

Remote

- Collaborated in a **3-person Agile** team to **design** and **develop** the official GEEZ Creationz website
- Boosted client acquisition by **70%**, contributing to **\$300K+** in new business within **6 months**
- Took ownership of the frontend revamp with **React.js** and **TypeScript**, shaping the brand's digital identity

PROJECTS

Open Politic | Next.js, Spring Boot, TypeScript, Maven | GitHub

Fall 2025

- Led development of **full-stack** U.S. policy search app with **Next.js**, **Spring Boot**, and **Trello** for planning
- Ran **Agile/Scrum** in **5-person dev team**, leading standups, sprint planning, and PR-based code reviews
- Containerized app with **Docker**, set up **CI/CD** with tests, and scaled **MongoDB** using GPO data

Transaction System (Midas Core) | Java, Spring Boot, Kafka, JPA, REST | GitHub

November 2025

- Built real-time transaction processing system for **JPMorgan Chase** using **Spring Boot** and **Apache Kafka**
- Implemented transaction validation with **Spring Data JPA**, enforcing balance checks and database audit trails
- Integrated external incentive **REST API** and exposed **JSON endpoints** for user balance queries

Kira | Next.js, TypeScript, Gemini API | GitHub

Google DevFest WashU 2025

- Developed **AI-powered** medical triage app with **voice recognition** and **Gemini API** for symptom analysis
- Integrated **speech-to-text** and **image upload** features to deliver **real-time** health assessments

Ozzy | React Native, TypeScript, Expo, Whisper API | GitHub

Most Innovative Project, HackSLU 2025

- Integrated real-time **speech-to-text** transcription with prompts optimized for **slurred speech recognition**
- Implemented audio recording and **text-to-speech** playback with **multi-language** and auto-speak support