

# Muhammad Hashir

(636) 209-2989 | [mhashir0318@gmail.com](mailto:mhashir0318@gmail.com) | [hashir.fyi](http://hashir.fyi) | [linkedin.com/in/mhashir03](https://linkedin.com/in/mhashir03) | [github.com/mhashir03](https://github.com/mhashir03)

## EDUCATION

### Saint Louis University

Bachelor's in Computer Science

**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