

Uzair Beg

U.S. Citizen | (440) 412-6300 | uzairbeg11@gmail.com | linkedin.com/in/uzair-beg | github.com/uzi101 | uzairbeg.com

EDUCATION

The Ohio State University

Expected Dec. 2026

B.S. in Computer Science and Engineering, Minor in Mathematics

Columbus, OH

- **Courses:** Data Structures and Algorithms, Operating Systems, Relational Database, Neural Networks
- **Clubs:** AI Club, Software Dev Club, Competitive Programming, Director of Finance at Alpha Lambda Mu Fraternity

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, TypeScript, Ruby
- **Frameworks/Tools:** FastAPI, Flask, Django, Spring Boot, React, Next.js, Angular, RabbitMQ, Kafka, Docker, PostgreSQL, Firebase, AWS, .NET, Azure DevOps, Ruby on Rails

EXPERIENCE

JPMorgan Chase & Co.

Jun. 2025 – Aug. 2025

Software Engineering Intern

Columbus, OH

- Implemented a high-throughput **Kafka consumer** in **Java** to ingest real-time fraud detection data, handling **500K+ daily transactions** with precise offset control, parallel processing, and structured error routing from risk systems
- Built a secure, schema-driven **Kafka producer** in Java, defining **Avro schemas** for fraud-risk transaction data and streaming to JPMorgan's Payment Instruction Manager (PIM) with sub-second latency and seamless **OAuth-secured REST API** integration
- Instrumented Kafka producers and consumers with structured **log-based alerting** enabling early detection of schema mismatches and lag spikes across fraud detection workflows

Paws AI

Jan. 2025 – Jul. 2025

Software Engineering Intern

Columbus, OH

- Engineered scalable backend services using **FastAPI**, integrating **Firebase Auth**, **Firestore**, and **Stripe** to automate secure authentication, data management, and billing workflows
- Designed backend API architecture and integrated a responsive **React.js** frontend for real-time clinical operations, deployed platform across **10 clinics**, reducing administrative workload by **30%**

Snap Inc.

Sep. 2024 – Nov. 2024

Software Engineering Extern

Remote

- Engineered interactive **Augmented Reality** lenses using Snap's **Lens Studio** and **JavaScript**, featuring dynamic text animations and intuitive gesture controls
- Improved AR lens responsiveness by optimizing event-driven scripting and state management in Snap's Lens Studio, reducing user interaction latency by **20%**

DRB Systems LLC

May 2024 – Aug. 2024

Software Engineering Intern

Akron, OH

- Built continuous integration pipelines using **Azure Artifacts** to automate application deployments, reducing delivery time by **25%** and increasing reliability by **20%**
- Developed and containerized responsive **Angular** applications and scalable **.NET APIs** using **Docker**, deploying to **AWS ECR** to improve efficiency by **35%** and enhance scalability

Fee Dodger LLC

Nov. 2023 – Aug. 2024

Software Engineering Intern

Remote

- Led backend architectural design by developing scalable **RESTful APIs** with **Node.js** and **Express**, preparing the platform for increased user traffic and efficient user authentication
- Implemented backend payment processing using **Stripe API**, integrating secure transaction handling and establishing infrastructure to support scalable payment workflows

PROJECTS

Baraka

May 2025 – Present

- Developing a fin-tech donation platform to securely round up user transactions, automating micro-donations to verified charities and increasing transparency in charitable donations
- Building a PCI-compliant backend using **FastAPI**, securely integrating **Stripe** and **Plaid** for financial transaction processing, and leveraging **Firebase Auth** and **PostgreSQL** for user authentication and persistent data storage

ACHIEVEMENTS

- **Winner – J.P. Morgan Code for Good Hackathon (Nov. 2024):** Placed 1st out of 200+ teams for building an AI-powered curriculum planner using OpenAI, Firebase, and Next.js