

AHMED M. SOZZER

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Education

University of Illinois Urbana-Champaign

Bachelors in Computer Science

May 2025

Experience

FYCLabs

Remote

Full Stack Engineer (Frontend, Backend, CI/CD)

May 2025 - Present

- Architect and deploy full-stack solutions for early-stage startups, transforming product concepts into production applications using Next.js, React, TypeScript, PostgreSQL with Prisma, and GCP infrastructure
- Develop cross-platform applications using React Native with seamless backend integration, delivering responsive interfaces from Figma designs while managing complete API architecture and database modeling
- Implement automated CI/CD pipelines on GCP with comprehensive testing strategies, reducing deployment cycles by 70% and maintaining 95%+ reliability across multiple concurrent client projects
- Optimize backend and database performance to support user growth from 700 to 5000 active users, improving query efficiency and horizontal scalability across distributed GCP infrastructure

Holiday Channel

Colorado Springs, CO

Full Stack & iOS Developer

Jan 2025 - May 2025

- Engineered high-performance e-commerce platform leveraging modern tech stack, delivering 20% boost in customer retention
- Built resilient microservices infrastructure capable of seamlessly scaling to handle 200% traffic surges during peak holiday periods
- Executed strategic Google Ads integration while crafting responsive interfaces from Figma designs using Shadcn and Framer motion, increasing conversion rates by 28%

Luminii LLC

Niles, IL

Data Analyst and Software Intern

May 2024 - Aug 2024

- Pioneered an automated pricing system leveraging machine learning to analyze real-time supplier data and adjust component costs, reducing manual re-calibrations by 40% while optimizing pricing accuracy metrics
- Cross-collaborated within a specialized team to implement advanced machine learning algorithms for comprehensive pricing strategy refinement, yielding 25% more competitive product pricing in target markets
- Enhanced website responsiveness through strategic implementation of lazy loading techniques, aggressive image compression, and thorough code minification, slashing average page load times by 30% across all device types
- Reconfigured a 15,000+ record database with strategic indexing, boosting query performance by 65% and streamlining maintenance through automated data validation protocols

Skills

Languages & Frameworks: Python, C/C++, JavaScript/TypeScript, Java, React.js, Next.js, Node.js, GraphQL, Django, Express, Haskell, HTML/CSS, RESTful APIs, Vue.js, Angular, Spring Boot, TailwindCSS, React Native, Flutter, Redux, MCP
Developer Tools: Git, Docker, Kubernetes, CI/CD, PostgreSQL, MongoDB, Redis, AWS, Jest, Cypress, Postman, JIRA, Github
System & Cloud: Linux, Windows, macOS, Microservices Architecture, Serverless Computing, Cloud Infrastructure, DevOps
Professional Skills: Agile Methodology, Technical Leadership, Problem-Solving, Cross-Functional Collaboration, System Design

Projects

Real-Time Communication Platform — [Link](#) — [Front End](#) — [Back End](#)

- Developed a full-stack Web app featuring real-time messaging with WebSockets, video calling via Stream SDK, and user authentication through Firebase
- Engineered responsive React frontend with custom UI components and implemented Node.js/Express backend handling concurrent WebSocket connections with <100ms latency
- Enhanced cross-browser compatibility for WebRTC video calls and deployed the application on Render cloud platform with 99.9% uptime

NavBus: Real-Time Bus Navigation System — [Link](#)

- Created a real-time bus navigation platform using geospatial analysis to reduce route planning time by 40% for 200+ users
- Constructed map interface syncing with calendar events, helping 85% of users save 10+ minutes on daily commutes
- Optimized Node.js/MongoDB back end, cutting API response times by 30% while supporting 50+ concurrent users

Publications & Presentations

- Created research paper on mentor-mentee matching algorithms selected for review by the American Society for Engineering Education (ASEE), with positive feedback from editorial board — [Link](#)
- Presented mentor-matching research at the 2023 John S. Albazi Student Research Symposium at NEIU — [Link](#)
- Showcased mentor-matching app research at Wright College's Fall 2022 Student Research Colloquium — [Link](#)