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
- Engineer custom CRM automation workflows integrated with client backends (GHL, Zoho, HubSpot), reducing manual data operations by 60% through API-driven synchronization and webhook implementations

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

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*