

# Zohaib Ahmed

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## EDUCATION

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### University of Texas at Austin

Master of Science in Computer Science | GPA: 4.0

Aug 2024 – Dec 2026

Austin, TX

### Saint Louis University

Bachelor of Science in Computer Science | GPA: 3.8

Aug 2020 – May 2024

St. Louis, MO

## EXPERIENCE

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### Parsons Corporation

Software Developer

Feb 2025 – Present

St. Louis, MO

- Refactored application APIs to improve modularity and maintainability, leveraging Entity Framework for efficient data access.
- Upgraded projects from .NET Framework 4.7 to .NET 8, ensuring compatibility and support.

### Saint Louis University

Teaching Assistant

Aug 2023 – May 2024

St. Louis, MO

- Assisted in teaching and reviewing object-oriented principles and software design with classes of 65+ students.
- Designed and developed JUnit and pytest based auto-scoring scripts, reducing time to grade by approx. 70%.
- Set up automated grading processes using GitHub Actions workflows for student repositories to streamline submission evaluations.

### Enterprise

Java Engineer Intern

May 2023 – Aug 2023

St. Louis, MO

- Pair-programmed with experienced engineers to drive the development of a Java Spring application to implement new features and complete Jira tickets.
- Increased back-end test coverage by 12%, measured by SonarQube, by implementing and deploying unit testing for various services using JUnit and Mockito.
- Improved system efficiency by refactoring key services and reducing computational complexity.

### Lingotutors

Software Engineer Intern

Jan 2022 – May 2022

St. Louis, MO

- Developed online tutoring platform features using PHP with Laravel on an Agile-based startup.
- Improved user experience and application functionality while maintaining clear version history using HTML, CSS, and Git.

## PROJECTS

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### CardRace | *Typescript, Java, AWS*

- Developed an online board game with 50+ MAUs, providing user authentication, profile statistics, and live gameplay using NextJS and Spring.
- Implemented secure REST API and WebSocket communication using JWT authentication with Spring Security.
- Containerized and deployed via EC2, utilizing DynamoDB and Redis for persistent and temporary storage.

### LLM Calendar Manager | *Typescript, Python*

- Developed a full-stack calendar management system for students incorporating LLM-assisted commands.
- Designed a NextJS frontend allowing users to intuitively create, update, and delete events and assignments.
- Set up a RESTful API using Flask to manage user calendars and integrated Google Gemini to interpret human-text commands.

## RELEVANT DETAILS

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**Active Security Clearance:** SECRET

**Languages:** C#, Python, Java, SQL, JavaScript/TypeScript

**Frameworks:** .Net, Spring, React, Node.js, Angular

**Developer Tools / Infra:** Git, Agile, AWS, Docker