AHMAD SADIQ

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SUMMARY

Recent Boston University CS graduate pursuing a career in software engineering. Skilled in Python, Java with experience in scalable APIs, algorithms, and database design. I have a strong background in designing, developing, and testing reliable and scalable solutions.

EDUCATION

B.S. Computer Science, Boston University — May 2025
Relevant Coursework: Algorithms, Data Structures, Distributed Systems, AI/ML, Software Engineering

SKILLS

Languages: Python, Java, C#, C++, SQL, TypeScript/JavaScript
Frameworks: React, Node.js/Express, Django, React Native, Spring Boot
Data/Infra: PostgreSQL, AWS, Docker, Microservices Architecture
Focus: data analytics, software testing/QA, enterprise application design

EXPERIENCE

Founding Engineer — Jun 2025 – Present
IWM — *New York, NY*

- Led end-to-end TypeScript/React Native waitlist ranking, boosting signups by 40% in 2 months.
- Built Node.js/Express + PostgreSQL APIs with audit logs to handle 10K+ daily referral events.
- Cut onboarding flow to under 5 min with secure deep linking, reducing drop-offs by 30%.

Robotics Software Engineer — Jun 2024 – Aug 2024
DuneAI

- Implemented C++ multi-agent pathfinding to coordinate 50+ robots with 20% faster throughput.
- Automated barcode task assignment in Python, eliminating 100+ manual dispatch actions/day.
- Developed GoogleTest coverage and profiling, cutting latency by 15% in core modules.

Founder / CEO — Mar 2023 – Sep 2023
AheadCare

- Built LangChain FAQ assistant with retrieval, cutting average query time from 2 min to 30 sec.
- Optimized database caching, improving ML response accuracy by 30% and latency by 40%.
- Raised $25K in pre-seed by demonstrating scalable predictive FAQ to 200+ early adopters.

PROJECTS

Lyft Price Prediction Analysis — Jan 2025 – May 2025
Engineered Python/Pandas pipeline to preprocess 300K+ Lyft trips, then applied PCA and Ridge Decision Tree models (test MSE reduced from 4.36 to 2.71), and produced visualizations to guide dynamic pricing recommendations.

Full-Stack Quiz Application — Dec 2024
Built a dynamic quiz platform (Django + PostgreSQL) with user authentication, difficulty filters, and performance analytics; deployed securely for production use.

Boston Police Overtime Data Analysis — Nov 2023
Analyzed 8+ years of BPD overtime using Python/pandas, uncovering a 260K-hour annual discrepancy and visualizing a 75% overlap between overtime and misconduct, informing ACLU-backed insights.