ARI Q BAILEY

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EDUCATION

University of Maryland Honors College, Presidential Scholarship, Cum Laude	College Park, MD
B.S. Computer Science, Cybersecurity Minor, GPA: 3.93	Graduated May 2023

SKILLS

Languages: C#, SQL Server, Typescript, SvelteKit, Python, Java, JavaScript, HTML, CSS, Linux, Unix

TECHNICAL EXPERIENCE

CoStar Group (Financial Data Services Team)   Washington, D.C.

Software Engineer I   Sep 2024-Present
- Contribute to a 500% increase in revenue generated through payment processing
- Spearhead the reconciliation of Stripe and Enterprise data, ensuring financial accuracy and seamless integration across systems
- Mentor associate through complex projects, improving team productivity and knowledge transfer

Associate Software Engineer   July 2023-Sep 2024
- Built Stripe eCommerce platform for $28B company, facilitating secure payments at scale
- Led the SEPA payments integration, upgraded the Stripe SDK, and architected APIs (C#/SQL) to provide subscription data for Homes.com and LoopNet teams
- Enhanced platform stability with Python integration testing, ensuring smooth operation for a high-traffic environment

Technology Intern   Summers 2021 and 2022
- Extended a C# engine for translating JSON to Elasticsearch DSL, enabling advanced search functionalities to improve financial data access
- Added support for boost values, nested queries, and boolean operators, increasing data retrieval speeds by 60% compared to previous join-heavy SQL queries
- Developed secure C# endpoints for contract upload/download, integrating JWT authentication for enhanced security
- Created an Angular/C# utility utilizing Adobe Sign API, displaying information for 10,000+ users, and maintained OAuth access token hydration with a singleton service

Itus AI (itus.ai)   Washington, D.C.

Chief Technology Officer, Co-Founder   October 2023-Present
- Developing organizational AI platform for small to medium sized businesses with 300 users
- Lead full-stack development leveraging SvelteKit, OpenAI, Pocketbase, and cloud deployment.

Iribe Kiosk – Human Computer Interaction   College Park, MD

Homepage Designer   Aug 2021 – Dec 2021
- Designed and prototyped kiosk with interactive map, nav, and event info for Computer Science building
- Refined kiosk functionality and interface through field research, surveys, and testing studies

Attacker Honeypot Research Project   College Park, MD

Team Member   Jan 2021 – May 2021
- Devised and implemented experiment to analyze hacker behavior due on time of day
- Scripted a self-regenerating honeypot environment using a man-in-the-middle server to capture attacker keystrokes and study their actions

LEADERSHIP EXPERIENCE

Eagle Scout   Aug 2019
- Led community park revitalization working with scouts, adults, and local government

Delta Upsilon, *Recruitment VP*   Dec 2020 – Nov 20201
- Facilitated recruitment for two semesters, replacing 1.5x the members aging out, built a dependable recruitment committee, ran outreach events and communication workshops