Hassan Shahzad

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EDUCATION

University of Colorado Boulder | Boulder, CO   *Graduated Aug 2025*
B.S. Computer Science, Minor in Creative Technology and Design

SKILLS

- **Languages:** JavaScript, TypeScript, Python, SQL, C/C++, HTML, CSS, Scala
- **Frameworks/Tools:** Node.js, Express, React, GraphQL, MySQL, REST APIs, GitHub, Postman, EJS
- **Data/Cloud:** MySQL Workbench, Database Design, Automation (Python, JS), Google Cloud Platform
- **Design:** Adobe Creative Suite (Illustrator, Photoshop, Premiere Pro, Lightroom)

EXPERIENCE

Full Stack Developer - Second Edition, LLC | Denver, CO   *May 2023 – Sep 2025*

- Owned end-to-end development of all internal software systems, architecting and maintaining platforms that powered daily operations across inventory management, sales, logistics, and customer-facing workflows.
- Built customer-facing forms and automation pipelines to schedule deliveries and pickups, integrating custom routing software and cost-analysis algorithms that reduced operational risk and improved scheduling efficiency.
- Designed and optimized MySQL schemas & queries, improving data retrieval performance by 40% and ensuring scalable system reliability.
- Automated workflows using Python and Javascript, saving 20+ staff hours per week through reduced manual data entry and faster reporting.
- Led migration of legacy codebase to GitHub, established CI/CD pipelines through GitHub Actions, established code review procedures and branching strategies for team collaboration.
- Managed and mentored a summer intern, providing technical training, code reviews, and project guidance, enabling them to deliver a production-ready feature using React, GraphQL, and MySQL.

Pathways Intern - Student Trainee - NIST | Boulder, CO   *Dec 2021 – May 2023*

- Administered a SQL-based access control database for 700+ employees, ensuring secure and efficient office and lab entry.
- Partnered with locksmith and security teams to streamline workflows and reduce access issues.
- Conducted database backups, troubleshooting, and documentation to maintain mission-critical operations.

LEADERSHIP & COMMUNITY

Founder, President, & CEO - CU Boulder Barbell, NPO | Boulder, CO   *May 2023 - May 2025*

- Established a 509(a)(2) public charity and secured 501(c)(3) nonprofit status to ensure long-term sustainability through financial independence, organizational legitimacy, and enhanced operational capacity (including a dedicated club bank account).
- Directed a team of ten officers and 100+ members, building sustainable operations, strong community culture, and competitive programming within a student-run organization.
- Negotiated sponsorships with local and national businesses and launched a Shopify store with custom merchandise, generating revenue from multiple streams to fund events and ensure long-term profitability.
- Organized the Colorado Collegiate Showdown, securing sponsorships and volunteer support to cut athlete costs by 90% while delivering a professional meet experience with custom banners, medals, and event production.
- Designed logos, branding, and creative assets for social media, strengthening the club's identity and driving membership engagement and growth.

Rotary Youth Leadership Awards (RYLA) | Estes Park, CO   *2020, 2022, 2023, 2024*

- Served as Junior Counselor, Junior Assistant Counselor, and Photographer across multiple summer leadership camps for high school sophomores, juniors, and seniors, supporting youth development and community engagement.