

Zain Baig

832-561-7479 | zainbaig.netlify.app | zain.baig0529@gmail.com | linkedin.com/in/zain-baig1 | github.com/zainbaig0529

EDUCATION

University of Houston

Houston, TX

Bachelor of Science in Computer Science

May 2024

- **Relevant Coursework:** Software Design, Fundamentals of Software Engineering, Data Science I/II, Immersive Technology and Spatial Computing, Operating Systems, Database Systems, Introduction to Automata and Computability, Algorithms and Data Structures, Introduction to Computer Networks, Computer Organization I/II/III

EXPERIENCE

New Business Processor

June 2021 – December 2023

ManhattanLife

Houston, TX

- Streamlined data entry workflows by introducing script-driven automation, significantly reducing manual input errors.
- Assisted premium verification processes through the development of internal automation scripts.
- Collaborated with cross-functional teams to reconcile and resolve data discrepancies, improving data reliability.

PROJECTS & TECHNICAL EXPERIENCE

Task Management System | *React.js, Node.js, Firebase, Docker, AWS, Tailwind CSS*

Expected April 2025

- Developed a collaborative task management app used by 5 team members to streamline project workflows.
- Reduced deployment setup issues by eliminating over 10 environment conflicts through Docker containerization.
- Integrated AWS for real-time data sync, ensuring consistent task updates across multiple devices.
- Designed a mobile-responsive UI with Tailwind CSS, enhancing accessibility across desktop and mobile platforms.

FAQ Chatbot | *Python, Flask, NLP, Heroku, SQLite*

Oct 2024

- Built an AI-powered chatbot to handle over 100 FAQ-type questions, reducing manual support requests.
- Integrated real-time APIs and multi-turn dialogue handling to improve answer accuracy.
- Conducted iterative user testing with a group of 8 users to refine conversation reliability.
- Deployed the final chatbot to Heroku for public demonstration.

Cougarville Gas | *Node.js, React.js, MySQL, AWS, HTML/CSS, Jest*

Apr 2024

- Enhanced a web-based fuel delivery system that handled 50+ orders per week after launch.
- Identified and resolved over 20 deployment issues via unit testing with Jest and IstanbulJS.
- Optimized front-end React components and MySQL queries, reducing page load time by 2 seconds.

Coog R Mart | *Node.js, JavaScript, SQL, Azure, Vue.js, HTML/CSS*

Nov 2023

- Managed inventory systems handling 500+ products via SQL-based backend management.
- Developed an e-commerce interface in Vue.js, increasing site session durations noticeably.
- Automated deployments with CI/CD pipelines on Azure, reducing manual deployment steps by 70

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, SQL, Powershell

Web & Cloud Technologies: React.js, Node.js, Flask, Firebase, Docker, Kubernetes, AWS, Azure, Google Cloud

Databases: MySQL, PostgreSQL, SQLite

Tools & Frameworks: Git, Jenkins, Pandas, NumPy, Scikit-learn

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner

Expected May 2025