Bilal Shahid Mahmood

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SKILLS

- **Languages:** Java | JavaScript | Python | C# | C++ | SQL | GraphQL
- **Technologies:** Git | CI/CD | React | Node.js | AWS | Docker | K8 | Spring Boot | Kafka | Postgres
- **Miscellaneous:** Postman | Swagger | Microservices | API Design | Agile & Scrum | Distributed Systems | Team Leadership | Written & Verbal Communication | Cross-functional Collaboration

WORK EXPERIENCE

The Western Union: *Full Stack Software Engineer* || Austin, TX   *2023 - Present*
- Led the design and development of enterprise microservice applications at Western Union, driving $1B+ annual revenue, utilizing technologies such as AWS, Java, Spring, React, Docker, and Jenkins.
- Managed projects handling over 2M daily transactions, focusing on payment routing (APPIN), leveraging Java, Spring Boot, Kafka Business Events, and Dynatrace.
- Spearheaded the development of Core API microservices, enhancing efficiency with a Spring 3 upgrade, employing Java, Spring MVC, REST API, Docker, AWS, and Jenkins CI/CD.

The Reynolds & Reynolds Company: *Full Stack Software Dev* || Houston, TX   *2022*
- Contributed to a flagship product utilized in more than 80% of North American car dealerships, enhancing revenue via an "addons system" by at least 10% per sale; collaborated closely with clients through PMD to ensure accurate custom application development.
- Implemented Full Stack development (C#, JavaScript, ASP.NET Core, SQL) for a widely-used web application serving thousands of customers.

Sobah Systems: *Software Development & Research Intern* || Remote   *2020 – 2021*
- Leveraged cutting-edge technologies including Python, Beautiful Soup 4, PostgreSQL, and advanced multithreading techniques to ensure seamless data acquisition and storage at scale.
- Spearheaded the development of software solutions for private clients, showcasing expertise in scraping, cleansing, and meticulously storing vast data sets extracted from a staggering 45,000+ wiki URLs daily.
- Demonstrated a commitment to continuous improvement by optimizing web scraping algorithms with sophisticated multithreading tools, resulting in a remarkable 88% reduction in application runtime and significantly bolstering operational efficiency; mentored existing team on BS4 and python technologies.

GhostTech Enterprise: *Freelance Software Developer* || Remote   *2018 - Present*
- Developed custom Discord bots in Python and JavaScript tailored to individual client requirements, implementing diverse functionalities specified by clients.
- Managed end-to-end project lifecycle, from initial client consultation to final deployment, including containerization and cloud hosting on platforms such as AWS or Google Cloud, resulting in successful deployment of bots utilized on servers with more than 20,000 users.

EDUCATION

Lamar University || Beaumont, TX   2016 – 2022
M.S. Computer Science (4.00 GPA); B.S. Computer Science
Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Systems, Computer Networks, Software Engineering, Programming Languages (e.g., Java, Python, C++), Web Development, Computer Architecture, Introduction to Artificial Intelligence, Distributed Computing, Cybersecurity.

ACCOMPLISHMENTS

- Graduated in Computer Science Master's Program with a 4.00 perfect GPA, published thesis, and was awarded "2021 – 2022 Outstanding Graduate Student of the Year"
- Quad Lingual: English, Urdu, Hindi, and Punjabi. Intermediate level of Spanish.