

Gurjinder Toor

Full Stack Developer

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Objective

Passionate, self-motivated, and innovative results-driven Full Stack Developer with a proven track record in end-to-end software development, front-end and backend technologies, and project management. Adept at creating high-performing web applications and leveraging expertise in JavaScript, Python, SQL, React.JS, Node.JS, and database management. Eager to contribute dynamic problem-solving skills, strong leadership in an agile environment, and a commitment to staying current with industry best practices. Seeking opportunities in Software Development, Data Analysis, or Technical Project Management to deliver impactful solutions and drive project success.

Skills/Technologies

- **Languages:** JavaScript, Python, SQL
- **Frontend:** HTML5, CSS3, Bootstrap, PHP
- **Backend:** Node.JS, Express.JS
- **Frameworks:** React.JS, Next.JS
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Miscellaneous:** Git, REST / RESTful, Linux, Jira

Work Experience

Full Stack Developer - Contract (Remote)

Oct 2023 - Present

Gamepayy

Miami, FL

- Leading the end-to-end development of an innovative social media platform encompassing both front-end and back-end functionalities to offer a seamless user experience
- Architecting and actively building real-time features, such as chat and streaming capabilities
- Continuously optimizing the codebase and server processes to ensure swift response times and maximum uptime; concurrently running iterative testing phases to ensure robustness and user-friendly navigation
- Collaborating and leading in an agile development environment, working closely with design, product strategists, and beta testers to refine platform features and align with consumers evolving needs

Program Manager/Operations Director

Sept 2019 - Oct 2023

Idea Lab - Cypress

Cypress, TX

- Spearheaded the design and implementation of a progressive STEM curriculum tailored to engage students aged 8-13, witnessing a 50% increase in student enrollment within a year
- Developed the facility's branding strategy, emphasizing its dedication to quality STEM education and practical, hands-on learning experiences
- Forged a strategic partnership with the Cypress Homeschool Council, extending STEM education to the homeschooling community and enriching their curriculum with hands-on experiences and workshops leading to 30% increase in revenue

Computer Science Educator

Sept 2019 - Oct 2023

Idea Lab - Cypress

Cypress, TX

- Introduced students to fundamental concepts of computer science, including computational thinking, algorithmic logic, data representation, and how digital systems work
- Used time series data to address learning hurdles in JavaScript loops and Python data structures, decreasing difficulty ratings from 65% to 30%
- Enhanced STEM curriculum focusing on Python and JavaScript, boosting student comprehension by 25% over 6 months through regular assessments

Projects

Jelly Bean Bot

Python, Arduino, Raspberry Pi

- Worked on an integrated machine learning and precision mechanics automated jelly bean sorting bot developed under a collaboration between Texas A&M and LoneStar College University Park for national grant funding - received \$50,000 in grants
- Led the hardware interfacing efforts ensuring seamless integration of the camera system, Raspberry Pi, and Arduino-driven XY plotter/gantry system
- Developed software logic to activate various stepper motors and mechanisms on hardware to enable precise movement control

Project Pathway

- Led a team of 4 in the Vision Galveston Hackathon 2023; created a holistic hardware and software solution to address multifaceted mental health challenges and material resource allocation; secured first place and a prize of \$5,000 USD
- Developed an innovative support system addressing mental health concerns exacerbated by material factors such as food scarcity, unemployment, natural disaster, etc.
- Spearheaded construction and delivery of the project pitch, effectively conveying importance and viability of solution to judges
- Exercised leadership by driving team collaborations, assigning tasks, setting milestones, providing regular feedback, facilitating open communication, and mentoring team members

Grand Exchange Price Tracker

JavaScript, Node.JS, Express.JS, Plotly, MongoDB

- Developed a real-time web application for tracking item prices in an online game market using API endpoints
- Designed a user-friendly interface with interactive tables and graphs using Plotly to visualize the stored data
- Enabled users to monitor price changes in real-time, facilitating informed decisions on item buying and selling
- Optimized the application for efficient data retrieval and display, ensuring a seamless user experience

Education

Bachelor of Science - Psychology

University of Houston

Houston, TX

Courses

Completed

- **Meta Frontend Developer**
- **Meta Backend Developer**
- **Microsoft AZ-900**
- **IBM Data Analyst Professional**
- **IBM Cybersecurity Fundamentals**
- **IBM Artificial Intelligence Fundamentals**

Volunteer Work

Houston Robotics Group

Jan 2024 - Present

Event Organizer

Houston, TX

- Organized engaging workshops and events for Houston Robotics Group, enhancing member participation and learning opportunities
- Provided guidance and support to new members in electronics and robotics
- Contributed to the growth and visibility of the Houston Robotics Group by fostering a culture of innovation and strategic event planning and promotion efforts

Microsoft TEALS

Oct 2023 - Present

Teacher/Education Volunteer

Houston, TX

- Partnered with Summer Creek High School/Humble ISD as a Microsoft TEALS volunteer; assisting/teaching Computer Science I through JavaScript concepts
- Utilizing tech industry experience to provide real-world context to computer science principles, enhancing student comprehension and engagement
- Offered guidance to students during hands-on coding sessions and project-based learning activities

Code & Coffee

Nov 2023 - Present

Co-organizer

Houston, TX

- Actively co-organizing monthly meetups for Houston branch of national Code & Coffee organization; planning, scheduling, and executing coding workshops and networking events
- Fostering supportive inclusive community environment encouraging knowledge sharing, collaboration, and mentorship for developers
- Enhancing attendees' technical skills through interactive coding workshops and presentations

Awards

First Place Winner - Vision Galveston Hackathon 2023

Oct 2023

- Awarded first place out of 8 participating teams; awarded \$5,000