MIHIR SAHU

Houston, Texas, US

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Education

College of Natural Sciences and Mathematics, University of Houston   Houston, TX
Bachelor of Science in Computer Science   *August 2020 – December 2024*

C.T. Bauer College of Business, University of Houston   Houston, TX
Bachelor of Business Administration in Finance   *August 2020 – December 2024*

Technical Skills

Languages: Python, C/C++, HTML/CSS, JavaScript, TypeScript, SQL
Technologies: React, Node.js, TailwindCSS, MySQL, MariaDB, Supabase
Cloud Platforms: Amazon Web Services, Microsoft Azure
Certifications: Certified SAFe 6 Practitioner, Microsoft Certified: Azure Fundamentals

Experience

BidOut/Breaker19 ⬈   Houston, TX
Project Management Assistant   *September 2023 – December 2023*
- Led the product launch of Breaker19 ⬈ , an oil and gas transportation service, including web and mobile applications
- Oversaw developers and reduced bugs by 30% by conducting code reviews and quality assurance tests
- Designed the user interface of a mobile app for future launch by wireframing 15+ screens on Figma

Chevron   Houston, TX
Cloud and Infrastructure Intern   *May 2023 – August 2023*
- Constructed a full-stack web app with Next.js and TailwindCSS/MantineUI to allow 8,000+ employees to report major incidents with widespread impacts
- Assisted in conducting exploratory work to build an AI model with ServiceNow Incident and Knowledge Base articles, aiming to reduce internal tech support waiting times by 30%
- Prepared a Cloud and Infrastructure learning pathway for employees on an internal learning platform, targeting a 25% improvement in employee training times

Seatgull   Houston, TX
Software Engineer   *February 2022 – October 2022*
- Utilized Rust's Actix framework to create an asynchronous back-end while providing a responsive front-end with React
- Conceptualized a course scheduler with React to connect to 60+ universities with over 850,000 students
- Spearheaded marketing and lead generation by creating posts on 20+ subreddits and collaborating with 50+ influencers on Instagram

CougarCS ⬈   Houston, TX
President   *December 2022 - December 2023*
Director of Information Security   *December 2021 - December 2021*
- Organized a team of 20 to compete against over 50 universities in capture-the-flag competitions by using 15+ penetration testing tools, including Metasploit and Burp Suite
- Facilitated the creation of 3 workshops to teach students about common cybersecurity concepts, resulting in 50+ joining the cybersecurity team
- Created 40+ interactive step-by-step writeups for capture-the-flag rooms on TryHackMe using Markdown, making it easier for beginners to enter the field

Projects

Recharge ⬈ | *TypeScript, React Native, Figma, Actix, MariaDB, Amazon Web Services*   **June 2022 – August 2022**
- Developed a full stack mobile app for IOS and Android to allow the UH community to find activities around campus
- Designed 10+ mobile app pages using Figma for a seamless user experience
- Utilized React Native with custom styling components for front-end development and Actix for back-end development
- Programmed a website using Vite and TailwindCSS, and hosted it on an Oracle Cloud VM with Nginx reverse proxy

Home Lab ⬈ | *Docker, Python, Plex, Wireguard, Tailscale, Pi-Hole, etc.*   **August 2021 – Present**
- Installed Raspbian on a Raspberry Pi, set up SSH, and self-hosted with Plex Media Server, the Wireguard VPN client, the Nextcloud suite, and Pi-Hole using Docker containers
- Operated Portainer and Docker to organize and host 20+ containers organized into 3 stacks with 10 volumes in total