MANISH BHANDARI

✉ bhmanish73@gmail.com · in bhandari-manish · ⌂ manish-bhandari · ⊕ manishbh.com · ☏ 7138154218

EDUCATION

University of Texas at Austin   Aug 2019 – Aug 2023
B.S. in Computer Science and a Digital Arts and Media Certificate
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Computer Networks, Modern Web Applications, Machine Learning, Artificial Intelligence, Computer Architecture, Operating Systems, Cloud Computing, Digital Media Production

SKILLS

Languages: Python, Java, JavaScript, TypeScript, Ruby, HTML, CSS, C, Dart
Frameworks/Libraries: React.js, Angular, Node.js, Express.js, Spring Boot, Flutter
Tools/Technologies: MongoDB, MySQL, PostgreSQL, Redis, Docker, Kafka, GraphQL, AWS (Lambda, S3, DynamoDB, API Gateway), Azure (Blob Storage, DevOps), Adobe Suite

EXPERIENCE

Glorifi | *Full-Stack Software Engineering Intern*   May 2022 – December 2022
- Developed an end-to-end financial mobile application with complex User Interfaces using **Flutter** and GetX library
- Architected **RESTful APIs** and business workflows with **Python**, **PostgreSQL** and **Azure** (Blob Storage, App Service), handling up to 300+ requests read and write requests per seconds on various financial data from Plaid
- Worked on **service-oriented architecture** and release management process with CI/CD pipelines using Azure DevOps

Undisclosed | *Back End Engineering Intern*   Jan. 2022 – May 2022
- Developed a **serverless application** utilizing **AWS API Gateway, Lambda, and DynamoDB**, deploying code via **S3 buckets**.
- Established a **Lambda deployment** function triggered by S3 bucket events.
- Leveraged **BOTO3** (AWS Python SDK) and **fabric** to deploy 100+ AWS instances, tailoring security group configurations as needed.

MyWikis | *Full-Stack Software Engineer Intern*   May 2021 – Sep. 2021
- Designed and developed a full-stack **TypeScript** website with **React.js** and **Flask** for the product's self-service page.
- Collaborated closely with the product owner to create webpage concept mockups in **Figma** and leveraged **React.js** and **CSS** to translate the mockups into smooth animations and dynamic renderings
- Wrote MediaWiki backup scripts in **Python** and **boto3**, uploading 200+ **MySQL database** dumps daily to **AWS S3**

PROJECTS

DesiDanceHub | *Spring Boot, GraphQL, React*
- Constructed an intuitive **React** dashboard, providing users with a one-stop platform to explore detailed information on dance contests and their contenders.
- Rolled out a **Spring Boot** infrastructure with a focus on **microservice architecture**, ensuring robust data management for dance competitions and teams.
- Merged **GraphQL** into the stack, refining data queries and ensuring consistent alignment between frontend views and backend data.

BeatMatcher | *TypeScript, React, Express, Node.js*
- Engineered an intuitive full-stack web application that matches and recommends songs across genres based on similar tempo and rhythm, integrating the **Spotify Web API** for data retrieval.
- Implemented a dynamic frontend using **React** and **TypeScript**, featuring visual representations of song tempos, and enabled real-time song previews for an enhanced user experience.
- Designed and deployed a robust backend with **Express** and **Node.js**, incorporating algorithms to efficiently query and compare song attributes, facilitating seamless and accurate music discovery.

Pixels | *Typescript, WebRTC, Redis, Kafka, WebSockets*
- Designed and developed a real-time streaming platform similar to Twitch.tv, leveraging **WebRTC** and **HLS** for adaptive bitrate streaming.
- Orchestrated **microservices architecture** to ensure **scalability** and reliability of the platform.
- Engineered an efficient, realtime chat feature integrating **Kafka**, **Redis**, and **WebSockets**

ACTIVITIES

Texas Talaash (Dance Team)   *Sep 2020 – Spring 2023*
- Competed in dance competitions nationwide while practicing 15 hours per week
- Served as the multimedia maestro, orchestrating live streams of adrenaline-fueled competitions, leveraging advanced editing techniques to highlight electrifying moments, and designing engaging graphics to amplify our presence in the dance community.

UTCS Programming Club   *Jan 2021 – Spring 2023*
- Participated in weekly algorithmic programming contests representing the University