

# MANISH BHANDARI

✉ bhmanish73@gmail.com in bhandari-manish 🌐 manish-bhandari 🌐 manishbh.com ☎ 7138154218

## EDUCATION

### University of Texas at Austin

Aug 2019 – May 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

- Architected and implemented a serverless application with AWS API Gateway, Lambda, and Dynamo DB and deployed Lambda code from S3 buckets.
- Created a Lambda deployment function, and configured it to receive events from the S3 bucket
- Used BOTO3 (AWS Python SDK) and fabric to launch and deploy 100+ instances in AWS. Configured Inbound/Outbound in AWS Security groups according to the requirements

### MyWikis | Full-Stack Software Engineer Intern

May 2021 – Sep. 2021

- Designed and developed an entire full-stack 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

- Utilized React, Spring Boot, and GraphQL to architect a highly-engaging, data-driven application, centralizing information about USA dance competitions
- Leveraged React's capabilities to design a dynamic, intuitive user interface, optimizing exploration and interaction with competition and team data.
- Streamlined data queries and manipulations using GraphQL, driving efficient communication between a reactive React front-end and a robust Spring Boot back-end.

### 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