Manish Bhandari

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Education

University of Texas at Austin **Aug. 2019 – Summer 2023**

B.S. in Computer Science and a minor in 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

Skills

Languages: Python, Java, JavaScript, Typescript, Ruby, HTML, CSS, C, Dart

Tools/Technologies: React.js, Node.js, Angular, Flutter, React Native, Express.js, MongoDB, MySQL, Flask, Tensorflow, Docker, Kafka

Cloud: Azure (Blob Storage, Devops), AWS (Lambda, S3, DynamoDB, API Gateway), Google Cloud

Experience

Glorifi, Software Engineering Intern May 2022 – December 2022

- Developed a 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

Multiply Labs, 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

Citycatt, Software Developer Intern June 2020 - Aug 2020

- Innovated a distributed travel search engine simulation (React.js, Express, Node.js, MongoDB, MySQL) that allowed users to search and book hotels, flights and rental cars
- Implemented an admin dashboard to visualize analytics on booking history and user activity
- Optimized the web application for scalability and performance with techniques such as database pooling to handle a minimum of 10,000 listings, 10,000 users, and 10,000 bookings at any given time
- Utilized Apache Kafka to communicate between the front-end channels and backend systems

Projects

Spotilyze | *React.js, Express, Sass, Node.js*

- A web app created with the Spotify Web API to let users view their own personalized details such as their top artists, top tracks and recently played tracks
- Used React.js with Router and SASS to create beautiful and responsive renders. Built log-in RESTful endpoints using Express

Chat App | *React.js, Express, MongoDB, Node.js, Socket.io*

- A full-stack chat application featuring beautiful and dynamic pages and navigation to message other users or groups
- Designed different MongoDB schemas for users and messages and utilized NodeJS and Express framework to build RESTful APIs and services to interact with the data storage layer

Nooshtype | *React.js, Socket.io, styled-components*

- A minimalistic typing game that allowed users to test themselves in WPM, speed, and accuracy. Implemented a leaderboard feature with MongoDB allowing players to compare their performance with others, track their progress, and compete for top rankings

Activities

Texas Talaash (Dance Team) **Sep 2020 – Spring 2023**

- Competed in dance competitions nationwide while practicing 15 hours per week
- Designed and developed the team's website (texastalaash.com) with React.js

UTCS Programming Club **Jan 2021 – Spring 2023**

- Participated in weekly algorithmic programming contests representing the University