

# Mehakpreet Kambo

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## EDUCATION

**University of Washington | Bothell, WA**

Sep. 2020 – Dec 2023

*Bachelor of Science in Computer Science and Software Engineering*

*GPA: 3.7/4.0*

- Coursework: Data Structures and Algorithms, Operating Systems, Database Systems, Distributed Systems

## EXPERIENCE

**Software Engineer Intern**

Florida (Remote)

*LeNgineer*

*Jun 2022 – Sep 2022*

- Designed and implemented a **RESTful API** using **Flask** and **PostgreSQL** to store and manage data from user-generated content resulting in 30% reduced data retrieval times
- Developed a web interface using **HTML**, **Express.js**, and **Node.js**, enabling seamless interaction with the APIs for testing and validation
- Collaborated with the team to design a scalable and efficient **database schema** that reduced query response times by 25% improving the overall performance of the system
- Documented API endpoints details, request/response formats, error handling, authentication/authorization mechanisms resulting in improved developer understanding and streamlined integration processes

## PROJECTS

**Spotify2AppleMusic** | *HTML, CSS, JavaScript, Node.JS*

- Built an intuitive user interface that streamlined the selection and transfer process, making it easier for users to quickly and efficiently migrate playlists
- Implemented OAuth 2.0 authentication with Spotify and Apple Music APIs, enhancing security through **JWTs (JSON Web Tokens)** for user authentication/authorization during playlist transfer
- Leveraged Apple Music API to generate authentication tokens via private keys, enhancing security measures and enabling users to confidently access and transfer playlists

**Barbershop WebApp** | *Node.JS, HTML, CSS, PostgreSQL, Git*

- Developed a fully functional Barbershop Web Application utilizing HTML, CSS, and JavaScript for the frontend and Node.JS with PostgreSQL for the backend
- Engineered a responsive and intuitive booking system, allowing clients to schedule appointments seamlessly while ensuring real-time availability updates
- Used Handlebars to dynamically generate and render HTML content, enhancing code organization and facilitating the seamless integration of data from the backend to the frontend

**AWS Backup/Restore Program** | *AWS S3, Java*

- Programmed a command line program in Java for AWS CLI users to either backup a file directory to an **AWS S3 bucket** or restore a file directory to your machine from an S3 Bucket
- Optimized program by implementing recursion to traverse file directories and preserve directory structure in S3 bucket and only backing up files that have been locally modified since last backup

**Dad-Joke-Teller VS Code Extension** | *JavaScript*

- Developed and launched a VS Code extension, integrating the [icanhazdadjoke.com](https://icanhazdadjoke.com) API to provide users with on-demand random dad jokes, enhancing their coding experience through moments of humor and relaxation

## CERTIFICATIONS

**JPMChase Software Engineering Virtual Experience** | *via Forage*

Aug 2023

- Used Perspective data visualization software and Python to monitor stock price trends and create trading strategies.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, JavaScript, HTML, CSS, SQL, NoSQL

**Technologies:** Django, Flask, Node.js, Express.js, MongoDB, PostgreSQL

**Developer Tools:** Git, AWS, Azure, Shell