

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
- 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 meets project requirements and supports seamless scaling and optimal performance
- Documented API endpoints details, request/response formats, error handling, authentication/authorization mechanisms resulting in improved developer understanding and streamlined integration processes

PROJECTS

Spotify2AppleMusic | *React.JS, Node.JS*

- Developed 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
- Utilized 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
- Implemented a responsive and intuitive booking system, allowing clients to schedule appointments seamlessly while ensuring real-time availability updates
- Utilized 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*

- Developed 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 API to provide users with on-demand random dad jokes, enhancing their coding experience through moments of humor and relaxation

CERTIFICATIONS

Lyft Back-End Engineering Virtual Experience Program | *via Forage*

Aug 2023

- Mastered code refactoring, system architecture, UML diagramming, and implemented robust unit tests and Test-Driven Development (TDD) practices through hands-on experience

TECHNICAL SKILLS

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

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

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