Ahmad Zafar Zaidi

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Experience

Software Engineer Intern

DataChat, Madison, WI, May 2019 - Present

- Developed a scalable UX/UI in React capable of handling dense visualizations and big datasets seamlessly.
- Designed and created a production-capable external authentication backend, allowing clients to log in to the application through a widget on their own website.
- Proposed and implemented a secure and robust licensing mechanism using digital signatures. Updated the frontend to receive license notifications from the backend.
- Detected and patch-fixed high server latency using a fast in-memory cache.
- Integrated a self-updating dashboard of saved analytics sessions.
- Introduced structured logging to provide more context to log messages in the web-server.

Web Development Intern

ClubCloud, Remote, May 2019 - July 2019

- Worked with AWS serverless backend to add critical components related to user authentication such as registration, deletion and forgot password.
- Lead development in internationalization using a popular React framework to expand the app client base to the US.

Research Project

Symantec, Dubai, UAE, June 2018 - July 2018

- Created and demonstrated the application of AI/Machine Learning in detecting attacks on an endpoint.
- Optimized malware dataset using SVD to increase success rate from 90% to 97%

Helpdesk Consultant

Computer Aided Engineering, Madison, WI, October 2017 - June 2019

- Assisted 6000+ users in hardware, account issues and troubleshooting engineering software across all computer labs in the UW-College of Engineering.

Projects

Madison Bus-Tracker

- Developing a program using GTFS-realtime data feed to track the current location of incoming buses of Madison Metro Transit (MMT).
- Uses onebusaway-gtfs-module to parse GTFS files from MMT and Maps API for geolocation and plotting.

YelpCamp

- Built a Node.js web application that allows users to post and review campsites.
- Designed API to be RESTful and modular using Express and created for flexibility using MongoDB.

UW Rate-'Em!

- UW Rate 'em! is a React Native application that allows users to rate courses at UW Madison.
- Built for scalability using Google Firebase and fast real-time searching using Algolia for quicker navigation flow.

Education

Bachelor of Science in Computer Science

University of Wisconsin - Madison • Madison, WI • September 2016 - Exp. May 2020

Skills

Go • Java • **JavaScript** • TypeScript • **HTML** • CSS • **React** • Firebase • **Android** • MongoDB • **Git**