Yaswanth Bellam

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Experience

Software Development Engineer, **Amazon**   July 2021 – present

- Developed a mechanism for rule-based content moderation of LLM output, with a dashboard to quickly issue hotfixes to the rules and prevent damage to the brand or customer trust.
- Migrated a service with over 15000 requests/s from on-premises infrastructure to AWS with minimal disruption.
- Increased science experimentation velocity by enabling the release of multiple models per locale simultaneously.
- Reduced model deployment time from several weeks to a single day by minimizing human touchpoints.
- Upgraded the emulators used in integration tests, saving 10 developer hours per week spent dealing with failures.
- Optimized a SQL query used to fetch metric data, reducing the query run time from 1 hour to less than 15 mins.
- Automated team's business report generation workflow, resulting in savings of 5 hours of manual work per week.
- Drove peak readiness efforts to ensure optimal customer experience during the Christmas traffic peak in 2021.
- Streamlined team's onboarding process for new devices to Alexa features such as Whisper and Adaptive Volume.

Full Stack Developer, **University of Florida**   September 2020 – April 2021

- Developed educational websites which are used by hundreds of users, with React, Node.js, and Material UI.
- Built native apps for Android, iOS, and the web using React Native and Expo, boosting mobile traffic by 15-20%.
- Used Microsoft SQL Server and Express to handle thousands of data points, user profiles, and preferences.
- Migrated web pages from ASP.NET MVC to a React based frontend, reducing the size of the codebase by 25%.

Associate Software Engineer Intern, **Infosys**   December 2018 – April 2019

- Implemented an attendance system based on face detection to replace the existing fingerprint-based system.
- Used Azure API with Python to train a face recognition model that achieved 85% accuracy using just 5 to 8 images.
- Reduced employee check-in time by 30% during busy times by enabling multiple people to be signed in at once.
- Developed a working prototype using Raspberry Pi Zero which cut costs by 17% and used minimal resources.

Personal Projects

tIssue (https://github.com/yashbellam97/tIssue)   December 2020

- Created an issue tracker using Node.js and Express for the backend API and MongoDB for storing the documents.
- Authenticated the users with Passport and used React to present the frontend data with the help of Mongoose.

Inside Edge (https://github.com/yashbellam97/IPL_database_client)   April 2020

- Developed a React website that lets users track their favorite IPL teams and players by getting stats and insights.
- Processed the data stored in an Oracle database with Express and used Chart.js to present interesting graphs.

CongreGator (https://github.com/yashbellam97/CongreGator)   February 2020

- Designed and developed an Android app which helps people walk safely at night by assigning walking partners.
- Utilized Google Places API for location data and Firebase for user credential storage and authentication.

Education

Master of Science, Computer Science (3.83/4)   University of Florida *(Gainesville, FL)*   August 2019 – May 2021

Bachelor of Technology, Computer Science (7.85/10)   K L University *(Guntur, India)*   July 2015 – June 2019

Skills

Languages   Java, JavaScript, Python, Groovy, C, HTML, CSS

Libraries/Frameworks   JUnit, TestNG, React, React Native, Node.js, Express, Spock, Sass, Material-UI, Bootstrap

Tools/Platforms/Databases   Git, Linux, Android, AWS, MySQL, Microsoft SQL Server, MongoDB, Firebase

Source code and more projects available on GitHub.