

Shashank Bhat

Junior Software Engineer

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Fullstack Developer with a year of experience, skilled in both front-end and back-end development. Passionate in developing effective and easy-to-use websites and applications with pixel-perfect UIs.

Professional Experience

Kenpath Technologies

February 2023 - Present

Junior Software Engineer

- Implemented graph visualizations using Sigma.js and a PDF download feature for AI-generated reports using Angular.
- Developed dynamic data visualizations using Chart.js, React, and Redux in Typescript for an Admin Application. Also worked on features for role-based UIs and organization tree visualization.
- Created a user-friendly interface for a data visualization dashboard with Python's Dash framework, with search suggestions and interactive walkthroughs, enhancing the user experience.
- Developed a Flask API to power a chatbot aimed at answering questions to aid visually impaired individuals in training computer skills, including automating content transfer from a SQL to a vector database.
- Developed and deployed numerous Node.js Lambda functions for a WhatsApp chatbot, delivering a range of agricultural information in multimedia formats (audio, video, text) to farmers. Swiftly designed, tested, and launched a link-shortening feature within the chatbot solution.
- Contributed to the development and validation of several prototypes, focusing on using OpenTelemetry for tracing and metrics in an on-device machine learning application with Python.
- Developed Node.js - Express APIs for efficient data aggregation from MongoDB, improving query response times.

Deloitte USI

January 2022 - January 2023

Associate Analyst

- Gained training in process mapping tools and participated in creating and refining business processes.
- Worked alongside the Process Designer to develop comprehensive business processes for a major American multinational investment bank, utilizing IBM Blueworks and following BPMN 2.0 standards.
- Collaborated with the Process Designer and subject matter experts from customer-focused teams to enhance current processes, particularly for regulatory compliance like ICAAP, ensuring constant feedback and adherence to regulatory deadlines.

Key Skills

- **Frontend:** JavaScript, TypeScript, React, Redux, Angular (basics) and Next.js
- **Backend:** Node.js, Express.js, Flask, Firebase, Python
- **DevOps:** Docker, Opentelemetry, AWS
- **Design and Misc:** Figma, VSCode, MS-Office

Education

Bachelor of Computer Applications

August 2018 - November 2021

PES University, Bangalore

Course Content:

Data Structures and Algorithms, DBMS, Operating Systems, Networks, Web Development.

Accomplishments

Top 3 in Peerlist Generative AI Hackathon

November 2023

Peerlist

Created a music generation app in a week for a hackathon with a 3-person team, which produces 30-second music tracks based on user's mood, chosen genre, or facial emotions detected through an image. Managed the entire frontend development using React.js and Zustand and integrated a Flask backend. The app uses Meta's Musicgen model API via Replicate for music generation, and TensorFlow for facial emotion recognition. Was recognized among the top 3 winners.

Certifications

The Web Developer Bootcamp 2022

May 2022

Udemywww.udemy.com/certificate/UC-b7de8011-90...**React (Basic)**

October 2020

HackerRankwww.hackerrank.com/certificates/2cc6eddc...

Projects

Fireshort

- Developed a tool for subtitling short videos using Next.js, Zustand, TailwindCSS, React Query, Remotion, and MongoDB.
- The tool incorporates Deepgram's transcription API and GPT-3.5 for features like word highlighting and emoji integration.
- It offers users the ability to customize templates, edit words, and animate subtitles, providing a way to make short videos more captivating and engaging.

Acadonline

- Created a basic Learning Management System (LMS) as a college project using React, React-Redux, Bootstrap, and Firebase.
- The system features role-based authentication for students, teachers, and staff.
- It includes CRUD (Create, Read, Update, Delete) functionalities for circulars, admin, student and teacher management, assignments, and courses. Additionally, the system allows for video and other resources for courses.