Harshad Hindlekar

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WORK EXPERIENCE

Software Engineer I   Sep 2022 - Present

Vivanet | Pune

- Currently as the lead developer at NorthStar, I am currently driving the development of an innovative web application designed to guide users through personalized career journeys. Tech Stack: Utilizes React, Tailwind CSS, Material UI, Azure Functions (Python), OpenAI APIs, Azure Cosmos DB, Azure Blob Storage, Azure App Configuration, API Management, Google login, Azure DevOps, and Azure Repos.
- Features: Custom career path generation based on user responses, intelligent recommendations, scalable serverless backend, secure authentication, centralized management, and continuous integration and deployment.
- Leading the development of a creator's platform, "All About Artists," fostering seamless connection and showcasing of talents.
- Integrated cutting-edge technologies, including OTPless authentication, Instagram Graph APIs, and Google Analytics, resulting in an engaging and user-friendly platform.
- Tech stack: React with TypeScript (frontend), Laravel PHP, Vite (backend), MySQL (database).
- Collaborated in a two-person team to develop a Tower Defence game using Java, Processing library for graphics, and Gradle as the dependency manager.
- Implemented strategic tower placement, mana-based defence system, drawing inspiration from artist demonstrations and existing games.
- Adhered to assignment guidelines and maintained project confidentiality.
- Contributed to building backend services for the "Palate" application on Play Store and iOS Store.
- Utilized AWS microservices (Cognito, S3 bucket, Lambda) and Spring Boot framework (Java).
- Architected REST APIs with GraphQL integration, leading to a 50% increase in overall system performance.
- Played a key role in the development of the "Hypercube" project, bringing the client's vision to life and overcoming technical challenges. Implemented a thought visualization feature, allowing users to input thoughts and generating table and graph views.
- Used technologies like Mermaid for graph generation, pagination for handling large datasets, and Material-UI for a visually appealing interface. Ensured effective code writing, debugging, and timely issue resolution for software stability.

Intern   Jan 2022- Aug 2022

Vivanet | Pune

- Contributed significantly to the "Talent Zone" candidate portal, emphasizing skills showcase for job seekers.
- Ensured timely task delivery, optimized software performance, and implemented industry best practices.

PROJECTS

Skilljourney: Lead Developer for Cutting-Edge Career Guidance Web Application

As the lead developer at NorthStar, I am currently driving the development of an innovative web application designed to guide users through personalized career journeys. This app asks users tailored questions and generates custom career paths based on their responses, providing invaluable professional guidance.

Key technologies and services include:

Frontend: React, Tailwind CSS, and Material UI for a responsive and visually appealing user interface.

Backend: Azure Functions (Python, HTTP functions) for scalable and efficient serverless compute.

AI Services: OpenAI APIs for intelligent career recommendation generation.

Data Management: Azure Cosmos DB (MongoDB) for reliable and scalable data storage, and Azure Blob Storage for extensive file storage.

App Configuration and Monitoring: Azure App Configuration for centralized configuration management and API Management for secure API monitoring, Google Analytics for monitoring user traffic.

Identity and Security: Google login for secure authentication. Continuous integration and deployment are managed via Azure DevOps and Azure Repos.

This comprehensive tech stack ensures NorthStar delivers a robust, user-friendly platform that empowers users to navigate their career paths effectively.

All About Artists

I am immersed in a project centered around the development of a creators' platform. This website serves as a dynamic space where creators of diverse talents can seamlessly connect and showcase their skills to a wider audience. In my role as a developer for this innovative platform, I have been instrumental in shaping its functionality. Utilizing cutting-edge technologies, I integrated features such as OTPless authentication, harnessed the power of Instagram Graph APIs from Meta for the developers' platform, incorporated the insightful Google Analytics tool, and implemented numerous other enhancements. The tech stack involved in this endeavour comprises React with TypeScript for the frontend, Laravel PHP and Vite for the backend, and MySQL for the database. Through this multifaceted approach, the platform not only fosters engagement among creators but also provides a robust and user-friendly experience for all involved.

Tower Defence

For the duration of three weeks, approximately one month ago, I dedicated my efforts to crafting a Tower Defence game as part of a two-person team. Our chosen tools included Java for programming, the Processing library for graphics, and Gradle as the dependable dependency manager. During this period, we diligently developed a prototype where players strategically place and upgrade towers on a map, fending off enemies to protect the wizard's house. Mana, functioning as the in-game currency, played a crucial role in acquiring and upgrading towers, with each enemy breach requiring a calculated mana expenditure for banishment. The primary objective was to successfully navigate through waves of enemies, safeguarding the wizard's mana from depletion. Throughout the development process, we sought inspiration from a demonstration by an artist on our online forum (Ed) and drew insights from a similar existing game. Any uncertainties were promptly addressed through forum inquiries, and our coding efforts strictly adhered to the assignment guidelines, maintaining the confidentiality of our work.

Palate App- Backend Services

As part of the development team, I have built the backend services for the "Palate: Celebrating Every Taste" application, available on both the Play Store and iOS Store. We have utilized various AWS microservices such as Cognito, S3 bucket, and Lambda, along with the Spring Boot framework (Java) to develop the required microservices. Architected REST APIs with GraphQL integration to facilitate streamlined communication between client applications and backend systems, enabling agile data retrieval and manipulation, leading to a 50% increase in overall system performance. By leveraging the power of AWS microservices and

the Spring Boot framework, we have created a robust and scalable backend solution for the "Palate: Celebrating Every Taste" application.

Hypercube

I have worked on a project called "Hypercube" where the client required displaying their thoughts in both graphical and tabular formats. We designed an input section that allows users to input their thoughts, and based on the responses, we generated table and graph views. To implement this functionality, we utilized various technologies and libraries such as Mermaid for graph generate pagination for handling large datasets, and Material-UI elements for a visually appealing user interface. This project was both interesting and challenging, as it involved transforming textual data into visual representations. Throughout the development process, I was responsible for write effective code, debugging and fixing technical issues to ensure the stability of the software. Timely resolution of these issues was crucial to maintain a smooth user experience. Working on the "Hypercube" project was fulfilling, as it involved bringing the client's vision to life and overcoming technical challenges along the way.

Talent Zone

I played a key role in the development of "Talent Zone," a candidate portal that enables job seekers to find opportunities in their desired companies. The portal emphasizes showcasing the skills of each candidate, which is crucial for interview scheduling by company managers. As part of a collaborative and cross-functional team, I ensured the timely delivery of assigned tasks. I also took the initiative to enhance the software's performance and reliability. By implementing industry best practices and optimizing algorithms, I significantly improved the overall efficiency of the system. These efforts were aimed at providing a seamless user experience and aligning with top-notch standards. My contributions to the "Talent Zone" project showcase my ability to work effectively in a team, deliver results promptly, and implement solutions that optimize performance and reliability.

CERTIFICATIONS

Certificate of Angular7 for Beginners by Great Learning Academy.
Certificate of Python Fundamentals for Beginners by Great Learning Academy.
Certificate of workshop on flutter by Pantech solutions.
Certificate of TCS ION Career Edge – Young Professional.
Certificate of Attendance AWS summit India 2022.
Certificate of participation in National Symposium on cyberspace 2021

Certificate of 6-month stipend base Internship as Full Stack Developer.

EDUCATION

Bachelor of Science – Information Technology   June 2019 - June 2022

University of Mumbai (India)

SKILLS

Html | CSS | React js | Java | Python | Git | JavaScript | Spring boot| Mongo db. | Bootstrap | Material Ui (React) | Django | GitHub Actions | Cloud | AWS | Automation | NodeJS | TypeScript | Backend Development | Bash | Scripting | Logging | Project Management | Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity