ADITYA S. DHAGE

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Experience

Hansen Technologies, Pune, MH, India   **August 2018 – November 2022**

Full Stack Software Developer   (*Total Experience - 4 Years and 4 Months*)

Key Contributions:

- Accomplished design, development, integration, and optimization of Telecommunications B2B software solutions for leading enterprises, demonstrating Full-Stack Software Development skills with dynamic client-facing teams needing critical thinking, creative problem-solving, and excellent teamwork.
- Hands-on with designing, developing, and deploying reusable and efficient Java, Node.js, and React.js code to deliver efficient and scalable solutions.
- Overhauled an interactive OSS Workflow UI micro-service with React.js, resulting in a more satisfactory user experience for the client.
- Led a team to devise proofs-of-concept for client presentations for the Sales team at Hansen, resulting in a full 1 Year product and service contract.
- Built automatic testing micro-service with web reports, resulting in 15% reduced manual setup efforts for the quality assurance team.
- Developed and standardized communication protocols for external OSS devices, enhancing code reuse and management.

Acquired Technical Skills:

- Professional Java, JavaScript, Typescript, Node.js, React.js, SQL, and Shell Scripting experience.
- Applied knowledge of data structures and algorithms and practical problem-solving skills.
- Experience with SQL and NoSQL database design and data manipulation.
- AWS EKS deployment of micro-service-based products and related deliverables.
- Hands-on with REST APIs and HTTP/HTTPS Communications.
- JSON and XML data handling and conversions.
- Building and designing reusable React.js components.
- Familiar with Docker, Kubernetes, Jenkins, CICD.
- Exposure to micro-service and event-driven software architecture.
- Worked in Waterfall and Agile Software Development Methodologies.

Achievements:

- Hansen Employee of the Month awards for - Focus and commitment, Exceeding Expectations and Dedication.
- Assessment Coordinator for employee on-boarding and Involvement in the Undergraduate Hiring Process (2021, 2022).

Education

University of Southern California, Los Angeles, CA   **January 2023 – December 2024**

Master of Science in Computer Science (MSCS)

Relevant Coursework: Analysis of Algorithms, Database Systems, Web Technologies, Multimedia Systems Design, Information Retrieval & Web Search Engines, Introduction to Human-Computer Interaction, Software Architectures

Savitribai Phule Pune University, Pune, MH, India   **August 2014 – June 2018**

Bachelor of Engineering in Computer Engineering (BE)   (*First Class With Distinction*)

Relevant Coursework: Fundamentals of Programming Languages, Data Structures & Problem Solving, Operating Systems, Object Oriented Multi-core Programming, Computer Organization, Theory of Computation, Data Management Systems, Concurrent & Distributed Programming, Computer Networks, Software Engineering, Software Design Methodologies, High-Performance Computing, Cloud Computing

Technical Skills

Programming	-	Java, JavaScript, Typescript
Web Technologies	-	Node.js, React.js, Next.js, Auth.js, HTML, CSS, SCSS, TailwindCSS, REST APIs
Scripting	-	Linux Shell, Python
Databases	-	SQL, Prisma, MongoDB, Oracle, PostgreSQL
Cloud	-	AWS, Google Cloud Platform
Miscellaneous	-	Figma, CICD, Docker, Kubernetes, Maven, Git

Recent Projects

Song-Pool: Interactive Music Curating Platform
June 2024 - Current

Technologies: Next.js, Next-Auth, Typescript, React, HTML, TailwindCSS, Spotify Web APIs
(*Individual*)

- Developing an innovative web application leveraging the Spotify Web API to revolutionize the ambiance of cafes and similar establishments.
- The platform facilitates collaborative music selection, enhancing customer engagement and satisfaction while enabling communal space (For Ex. - A café) owners to curate playlists tailored to their clientele's preferences in real-time.

Task-It: Minimal Task Planner
July 2024 - August 2024

Technologies: Next.js, Next-Auth, Typescript, React, HTML, TailwindCSS
(*Individual*)

- Task Planning platform with minimal snappy design and functionalities like - one-click edit, drag to plan, multiple listings for today, tomorrow, this week, and plan ahead.

Spotify-Clone: MP3 Web Player
May 2024

Technologies: Next.js, Next-Auth, Typescript, React, HTML, TailwindCSS
(*Individual*)

- Implemented a Responsive web music player with support for uploading MP3 files and Listening.
- Offers two tiers of service with Stripe payment platform integration.

Video Library Search with Video Clip Query
December 2023

Technologies: Python, Numpy, CV2, PyQt
(*Group*)

- Engineered efficient video library prepossessing algorithm, including shot boundary detection, frame histogram calculation, and hashing techniques, resulting in streamlined data organization and retrieval.
- Achieved lightning-fast clip identification within the library, delivering precise frame and timestamp matches in an impressive 200-300 milliseconds.
- Developed an intuitive video player interface with comprehensive playback controls, seamlessly initiating playback from identified clips.

Color Histogram Based Object Detection
October 2023

Technologies: Java, OpenCV
(*Individual*)

- Implemented a robust object boundary detection system utilizing color histogram matching with a remarkable 95% accuracy rate.
- Capable of detecting multiple instances of single or diverse objects within images, adapting to size variations with the precision bounding box delineation.

EBay Window-Shopping App
September 2023

Technologies: Node.js, Angular, Swift, MongoDB Atlas, G-Cloud App Engine
(*Individual*)

- Developed full-stack development of a dynamic web application enabling seamless product browsing, incorporating advanced filtering options, favorites list functionality, and visually appealing product imagery.
- Orchestrated the integration of Angular web and Swift iOS front-end interfaces with a Node-powered RESTful back-end supported by MongoDB Atlas, ensuring cross-platform compatibility and responsive user experience.
- Leveraged Google App Engine deployment for scalable front and back-end operations, along with MongoDB Atlas for robust database management, facilitating the creation of a modern, cloud-native e-commerce platform.

Bulk Resume Shortlisting Application
December 2019

Technologies: Angular, Typescript, Python Flask, HTML, CSS
(*Group*)

- To find out the relevance of a resume based on a job profile from a bulk quantity of applications with 90% accuracy.

Forensic framework for PaaS Cloud
May 2018

Technologies: Java, Shell Scripts, Python, MongoDB, HTML & CSS
(*Group*)

- A distributed system designed to monitor PaaS cloud usage with an integrated agent in the provided platform.
- Provides a solution for the issue - PaaS CSPs often cannot provide/collect proper evidence in case the incriminated platform gets destroyed after use.
- Data Access - able to retrieve the collected through an access-controlled web portal.