Aditya S. Dhage

aditya.s.dhage@gmail.com • Los Angeles, CA - 90018 • LinkedIn • GitHub • Website

Professional Summary

Full-Stack Software Developer with **4+ years** of experience building **scalable** and **distributed** applications. Proficient in Java, JavaScript, TypeScript, Node.js, React.js, Databases, Data Structures, Algorithms, and DevOps. Extensive understanding of **microservice architecture**, **cloud deployments**, and **CI/CD pipelines**, focusing on modular and reusable code. Collaborated with teams to execute high-stakes projects, ensuring **seamless delivery** and **client satisfaction** in fast-paced environments. Keen on building **reliable solutions** to complex problems through **technical proficiency** and **creativity** while following emerging trends.

Experience

Software Developer (Full-Stack)   Aug 2018 – Nov 2022

Hansen Technologies, Pune, MH, India   (Duration - 4 Years and 4 Months)

- Designed, developed, and integrated robust **telecommunications B2B software solutions** using Java, Node.js, and React.js while effectively **diagnosing and resolving critical production bugs**, ensuring uninterrupted service
- Overhauled an essential **OSS Workflow UI microservice** with React.js, enhancing user experience, usability, and performance
- **Improved system reliability by 40%** by implementing advanced error handling and auto-correction workflows
- Successfully **led a two-person team** to build prototypes and proofs-of-concept, helping secure a **1-year product and service contract**
- Developed a microservice to automate QA testing, **reducing manual effort by 15%** and delivery cycle **from 5 days to 4 days**
- Engineered **a custom library** using the Object Factory pattern, enabling **easier system upgrades**
- Implemented CI/CD pipelines for Java and Node.js projects, **streamlining multi-platform deployment** on AWS EKS

Technical Skills

Languages	-	Java, JavaScript, TypeScript, SQL, NoSQL
Frontend	-	React.js, Next.js, Radix-UI, TailwindCSS, HTML/CSS
Backend	-	Node.js, Express.js Auth.js, JWT, OAuth, REST APIs, GraphQL
Cloud and DevOps	-	AWS (EKS, S3, EC2), GCP, Vercel, Webpack, Docker, Kubernetes, CI/CD
Databases	-	MongoDB, PostgreSQL, Oracle DB, Prisma ORM
Tools and Methodologies	-	Git, Jenkins, Figma, Maven, Python and Shell Scripts, Agile and Waterfall SDLC

Education

Master of Science in Computer Science   Jan 2023 – Dec 2024

University of Southern California (USC), Los Angeles, CA

Bachelor of Engineering in Computer Engineering   Aug 2014 – Jun 2018

Savitribai Phule Pune University, Pune, MH, India   (First Class With Distinction)

Notable Projects

Full-Stack Web Applications   May 2024 - Current

React.js, Next.js, Node.js, Auth.js, REST or GraphQL API, PostgreSQL or MongoDB, TailwindCSS, Vercel, HTML/CSS, Figma

- **One-Clip:** A notes app with rich text formatting, one-click copy, OAuth(Google) and cloud storage
- **Spotify Clone:** A self-upload MP3 web player with a two-tier paid subscription (Stripe) based on Spotify Web UI design
- **Next-Auth Toolbox:** A one-stop authentication and authorization solution to reuse in multiple projects
- **Task-It:** A multi-platform minimal task planner with drag-and-drop task scheduling, lists and a cloud-hosted postgres database

Video Library Search with Video Clip Query   Dec 2023

Python, Numpy, CV2, PyQt

- Video library **prepossessing algorithm**, including shot boundary detection, frame histogram calculation, and hashing techniques, resulting in streamlined data organization and retrieval
- Ability to query with short video clip resulting in precise frame and timestamp matches in **200-300 milliseconds**
- An intuitive video player interface with comprehensive playback controls, seamlessly initiating playback from identified clips

Color Histogram Based Object Detection   Oct 2023

Java, Maven, OpenCV

- An 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