

ANAY DILIP NAIK

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SKILLS

Programming Languages: JavaScript (proficient), Typescript, Python, JAVA, C, C++
Databases: MySQL, MongoDB (& Atlas), DynamoDB, Elasticsearch, Redis, Derby, SQL Server
Web Technologies: HTML5, Bootstrap, JQuery, Rest API, GraphQL, Apache Kafka, CSS, Tailwind
Frameworks: React.js, D3.js, NodeJS, Spring MVC, Next.js, Redux, Express, Passport.js, Mocha
Cloud Technologies: AWS (EC2, ECS, S3, RDS, Lightsail, Route 53, Bedrock), Docker, Firebase, GCP, Linux

PROFESSIONAL EXPERIENCE

Founding Software Engineer at HSCI, Milpitas, CA *Jan 2024 - Present*

Team: TrayaSchedule Bot, **Core Technologies:** Supabase, Gupshup, React, Node, PostgreSQL, Linux, AWS, Redis

- Designed and implemented a robust messaging and scheduling infrastructure by integrating WhatsApp for Business, Gupshup's Chatbot AI Studio, AWS, and Supabase, leading to a **30%** increase in user engagement through advanced chatbot functionality.
- Engineered robust load balancing solutions on AWS, reducing server downtime and enhancing security through comprehensive SSL configuration and DNS management with Route 53.
- Developed real-time dashboards and live analytics with D3.js, integrated Jitsi video conferencing API, and implemented JWT token authentication, enhancing system throughput by **15%** and ensuring secure user interactions.
- Leveraged **GenAI** by integrating Amazon Bedrock models (**Claude, Haiku, Llama**) with WhatsApp for Business, developing a custom feedback collection bot, and optimizing performance with **Redis** cache.

Frontend Engineer at Copal.ai, San Jose, CA *Dec 2021 - Dec 2023*

Team: FERPA AI Tool, **Core Technologies:** React, Javascript, Firebase, Figma, Konva.js

- Developed a smart video tool for PII protection in compliance with FERPA and accessibility norms, utilizing real-time data visualization to detect faces via video, audio, and text, and customized masks to enhance data privacy, significantly improving processing efficiency and accuracy.
- Designed and implemented cloud functions and pub-sub methods with Firebase (**GCP**), optimizing page performance by **50%** through virtual scrolling and lazy loading techniques.
- Integrated advanced computer vision models, enhancing face detection precision, and developed **CI/CD** pipelines for seamless server deployment and version control on Git.
- Architected a scalable manual video editing tool on the web using advanced React and **DOM manipulation** techniques, doubling editing efficiency and increasing user satisfaction.

Full Stack Developer at Letcetra Agritech Pvt Ltd, Margao, Goa *Oct 2019 - Jul 2021*

Project: Agcetra/ARP, **Technologies:** React, NodeJS, Typescript, GraphQL, TypeORM, GIT, MySQL.

- Delivered features in an agile, deadline-driven environment for two projects simultaneously, managing the entire software development lifecycle including coding, testing, QA, deployment, code reviews, and maintenance.
- Integrated **payment gateways** like Paytm and Razorpay, and third-party email/SMS APIs like Mailgun using RESTful services, enhancing transaction security and communication efficiency.
- Revamped the E-Commerce Platform using various UI libraries, increasing web page responsiveness and reducing page load time by **60%**.

Software Engineering Intern at Sword Leo Systems Pvt Ltd, Margao, Goa *Jan 2018 - Mar 2018*

Project: Poocho, **Technologies:** HTML, CSS, Javascript, PHP, MySQL.

- Implemented an internal tooling system for Poocho's e-commerce product by building responsive pages, reducing paperwork for **10+** employees, and optimizing SQL queries for integration with other applications, doubling performance while maintaining data quality and overseeing database security.

PROJECTS

Promptify Generator *Oct 2023*

- Developed an AI prompt web application using Next.js, GraphQL, and Tailwind CSS, enhancing user engagement by **20%**, significantly reducing AI response latency, and streamlining state management with context providers to decrease unnecessary AI model queries.

Cloud Event Center *Jan 2022*

- Launched a Cloud Event Center on AWS with **10** features including authentication, authorization, registration, filtering, payments, forums, virtual time elapsing, reputation system, notifications, and reporting, adopting OAuth for SSO login with Google and introducing a live clock to display virtual time data alongside CRON jobs.

Indeed Simulation *Oct 2021*

- Deployed a 3-tier distributed web application with messaging queues as middleware, scaled to handle **10,000+** concurrent users fetching **1M+** messages simultaneously, and programmed a reverse proxy server with auto-scaling on AWS to maintain high service quality.

EDUCATION

San Jose State University, San Jose, CA

Master of Science in Computer Software Engineering

Jun 2021 - May 2023