

DINESH SAKE

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Objective

Software Engineer with hands-on experience in full-stack development and DevOps. Skilled in architecting asynchronous workers, managing cloud infrastructure (AWS), and implementing robust security protocols for scalable web applications.

Technical Skills

Languages/Frameworks: JavaScript (ES6+), TypeScript, Python, Node.js, React.js, Next.js, HTML5, CSS3

Backend & APIs: Express.js, RESTful API Design, WebSockets (Socket.io), Authentication (JWT, Auth.js, Clerk), Redis Caching, Payment Gateways (Razorpay)

Cloud & DevOps (AWS): Infrastructure as Code (Terraform), ECS (Fargate), EC2, Lambda, S3, RDS, DynamoDB, SQS, VPC, IAM, CloudWatch, GitHub Actions (CI/CD), Docker

Databases & Tooling: PostgreSQL, MongoDB, Prisma ORM, Mongoose, Git, Postman, Linux/Bash, Turborepo, LocalStack

Frontend Architecture: Redux Toolkit, Zustand, React Query (TanStack), Tailwind CSS, ShadCN UI, Material UI, Zod (Validation), React Hook Form

Core CS Fundamentals: Data Structures & Algorithms (DSA), System Design, Object-Oriented Programming (OOP), DBMS, Computer Networks

Projects

Lumen AI | [GitHub Link](#)

Dec 2026 – Present

- Developed a **high-throughput** AI knowledge platform featuring automated document ingestion and **Semantic Search** using vector embeddings.
- Architected an **event-driven backend** using **AWS SQS** to decouple long-running ingestion tasks, ensuring 100% API responsiveness during heavy workloads.
- Automated 100% of cloud provisioning (VPC, ECS, S3, RDS) using **Terraform (IaC)**, enabling reproducible environments and reducing deployment time.
- Containerized microservices with **Docker** and deployed to **AWS ECS (Fargate)**, utilizing **AWS Secrets Manager** for secure environment variable injection.
- Implemented **Clean Architecture** (Domain-Driven Design) to isolate business logic, improving codebase maintainability and unit test coverage.

Zenith Editor | [GitHub Link](#)

Sep 2025 – Dec 2025

- Engineered a robust SaaS image editing platform using **Next.js 16**, **Imagekit** and **Prisma**, supporting complex relational data mapping for user assets.
- Secured user data by implementing **RBAC (Role-Based Access Control)** and session-based authentication via **Auth.js**, protecting sensitive API routes.
- Integrated **Razorpay API** for automated subscription billing and used **Nodemailer** to build a transactional email system for instant user receipts.
- Optimized media handling by leveraging **AWS S3** with granular **IAM policies**, ensuring secure, low-latency image retrieval and storage.
- Developed a responsive, high-performance UI using **Tailwind CSS** and **ShadCN**, achieving high Lighthouse accessibility and SEO scores.

Education

KLS Gogte College of Commerce

Bachelor of Computer Applications (**CGPA: 8.66**)

Aug 2022 – June 2025

Belagavi, KA