Akshay G. Kathiriya

Full Stack Developer | AI Search & Workflow Applications | NestJS | TypeScript
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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Frontend: React.js, Next.js, Redux, Tailwind CSS, Ant Design

Backend: Node.js, NestJS, Express.js, Loopback 4, GraphQL, Payload CMS

AI & Data: RAG pipelines, LLM APIs, Milvus, Redis, BullMQ

Cloud & Databases: AWS (Lambda, SQS, ECS, CloudWatch), Docker, GitHub Actions, CI/CD; PostgreSQL, MySQL, MongoDB, DynamoDB

EXPERIENCE

Keytoz Pvt Ltd **Dec 2024 - Present**
Full Stack Developer Surat, Gujarat

Enterprise AI search platform

- Built and validated in-app citation preview with page navigation and span highlighting across PDF, DOCX, CSV, XLSX, TXT, and Markdown, enabling users to inspect source passages behind AI answers.
- Added page numbers to Milvus chunk metadata alongside existing citation text and character offsets; packaged preview parsers as a reusable private library on GitHub Packages.
- Developing a Jira-style project task-management module within the same platform as part of ongoing work.

Robotesta

- Built AI-assisted Jira task generation from user-provided requirements and project context gathered through GitHub and document connectors, including PDF and DOCX files.
- Researched cloud execution and scheduling of existing Playwright suites to offload compute-heavy, multi-worker runs from QA engineers' local machines and reduce time spent waiting for results.

Master Anesthesia - medical education platform

- Led development with Next.js and Tailwind CSS; migrated legacy WordPress course data to Payload CMS with custom lesson highlighting and audio playback.
- Deployed on AWS with Docker and automated GitHub Actions CI/CD.

Prestious IT Solution **Oct 2023 - Nov 2024**
Full Stack Developer Surat, Gujarat

- Built REST APIs in a HIPAA-aware healthcare environment with Loopback 4 and React.js for a sleep-apnea monitoring system used by clinicians and patients.
- Implemented MySQL patient filtering by clinical criteria; integrated Twilio SMS/video and AWS SQS for asynchronous processing.

Solute Labs **Jan 2023 - Sep 2023**
Software Engineer Intern Ahmedabad, Gujarat

- Migrated Node.js/Express monoliths to NestJS microservices; developed GraphQL APIs with Hasura, managed MongoDB-to-PostgreSQL migrations, and containerized services with Docker.

PROJECT

Form Details Reader | Python, OpenCV, OCR, MySQL

Built a desktop application to digitize physical forms, extracting and verifying text via OCR for storage in MySQL.

EDUCATION

B.Tech in Information Technology | Jul 2019 - May 2023

Birla Vishvakarma Mahavidyalaya (BVM), Anand | CPI: 8.01