Sudipta Pradhan

Full Stack Developer | TypeScript, React, Node.js & Python

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Summary

Full Stack Developer and Founding Engineer with **3+ years** designing and building web products, search systems, and data pipelines. Experience spans multi-tenant workspaces, payments, React/Next.js and Node.js applications, Python/Temporal workflows, AI-agent systems, and Azure infrastructure.

Experience

Reunion **Jun 2023 – Present**
Founding Engineer & Lead SDE *Mumbai, India*

- Designed and built **reSearch** with TypeScript, React/Next.js, Node.js, and Elasticsearch, delivering search results in **under 100 ms across millions of records**; implemented multi-tenant workspaces, resource sharing, and tenant-aware access controls.
- Implemented **payments, subscriptions, add-ons, and feature flags**, connecting purchasing with usage limits and access to search and screening features.
- Improved page loading through Next.js migration and server-side page generation; built Elasticsearch index mappings and advanced faceted filtering.
- Improved scraping efficiency by **30%** in Python ingestion pipelines built with **Celery**, RabbitMQ, and Azure Blob Storage.
- Migrated ingestion from Celery to **Temporal** with **asynchronous, durable batch processing**; built recurring crawls and background jobs for screen refreshes, sitemap revalidation, and subscriber notifications.
- Designed and built Python/TypeScript **AI-agent and messaging systems** for triage, customer support, and outbound coordination, with DAG tool execution, cache/session lifecycle, and Gmail/WhatsApp/Notion message handling.
- Integrated Keycloak authentication and Krakend gateway policies; migrated user-management storage from MongoDB to PostgreSQL.
- Automated Azure infrastructure and deployment using **Terraform and Ansible** for web applications, APIs, search, and crawler services.
- Led **6+** interns and full-time team members across **3+ projects**, owning technical design, work allocation, code reviews, and mentoring; conducted hiring interviews.

Codify **Jan 2023 – Mar 2023**
Full Stack Web Developer Intern *Remote*

- Developed React, Node.js, Express.js, and MongoDB applications for US-based clients, translating requirements with stakeholders and collaborating with backend teams.
- Resolved performance bottlenecks, improving response times by **15%**; participated in code reviews and coordinated across time zones.

Technical Skills

Languages: TypeScript, JavaScript, Python
Frontend: React, Next.js, Gatsby, Redux, TanStack Query/Table, Tailwind CSS, Material UI
Backend & Data: Node.js, Express.js, Temporal, Celery, RabbitMQ, PostgreSQL, MongoDB, Elasticsearch, Redis
Cloud & Security: Azure, AWS, Docker, Terraform, Ansible, Keycloak, Krakend
Development & Testing: Git, CI/CD, Turborepo, Jest, React Testing Library, Mocha/Chai

Open Source & Selected Projects

Open source: Authentication fix in kinde-auth-nextjs (merged PR #353); SQL/Mongo conversion fix in a crawler-used fork, proposed upstream (PR #7).

UPSTREAM (Feb – May 2022): MERN video-streaming application with Redux and Video.js.

Duta (Oct – Dec 2021): React/Socket.io messaging with Diffie-Hellman end-to-end encryption and push notifications.

Education

CMR University – B.Tech, Information Technology **Aug 2019 – Jun 2023**
Cloud Technology and Information Security | **CGPA: 9.23/10** Bengaluru, India