

Amit Bera

+91 7303816221 | amitalokbera@gmail.com | amitbera.dev | linkedin.com/in/amitalokbera | github.com/amitalokbera

ABOUT

I'm a full-stack developer who likes to build things from scratch. I don't just write code, I handle the entire process from the backend and frontend to deployment and CI/CD pipeline. I'm looking for an early stage role where I can take full ownership and help build a product from the ground up.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, GoLang, Java

Frameworks / Libraries: FastAPI, Django, Flask, React, Next.js, Vue.js, TailwindCSS, Celery, Redis, RabbitMQ

Databases: PostgreSQL, SQLite, MongoDB

AI & Automation Services: LangChain, LlamaIndex, Ollama, n8n, MCP (Model Context Protocol)

Cloud Platforms & Services: Google Cloud Platform, AWS, Cloudflare, Digital Ocean

Authentication & Security: JWT, OAuth2, OIDC, Firebase Auth, RBAC

DevOps / Tools: Docker, Git, GitHub Actions, Alembic, nektos/act

Testing Frameworks: Pytest, Jest, Cypress, Selenium, React Testing Library

Monitoring & Observability: OpenTelemetry, Prometheus, Grafana, Loki

EXPERIENCE

Quantiphi

Jun 2025 – Present

Remote - India

Senior Software Developer (Subcontract)

- Engineered a multi-region backend with **FastAPI** and **PostgreSQL**, enabling global scalability and 99.9% fault tolerance.
- Implemented enterprise-grade security with **SAP Gigya OIDC**, fine-grained **RBAC**, JWT key rotation, and CSRF protection.
- Built a secure file upload and analytics pipeline using **Firebase Storage** and **BigQuery** for compliance.
- Established a **CI/CD** pipeline on **GCP Cloud Run** with **GitHub Actions**, **Docker**, and security scans (**Trivy**, **SonarQube**).

Tensorpix

Dec 2024 – May 2025

Remote - Croatia

Full Stack Developer (Contract)

- Re-architected the video upload flow using presigned URLs + multipart uploads on **Cloudflare R2**, eliminating server proxying and improving throughput by **70%** while reducing infra load.
- Eliminated server-side indexing by offloading metadata/thumb nail generation to a client-side **WASM** worker.
- Drove a **35%** increase in user satisfaction (3.1 to 4.2) by developing an interactive before/after video comparison feature.
- Increased new user sign-ups by **20%** by launching a no-signup upscaling feature.

Elucidata

Oct 2022 – Aug 2024

Remote

SDE - I

- Reduced data delivery time by **40%** by developing the open-source **SanityCheck** Python library for biomedical file validation.
- Automated data-processing workflows for NextGenJane using **FastAPI**, **Celery**, and **Redis**, increasing researcher productivity.
- Spearheaded a **RAG-based** assistant POC using **LangChain** and **LlamaIndex** to query internal docs, reducing cross-team dependencies.
- Developed and maintained key **React** applications for CurieBio and Pfizer.

PROJECTS

TNSR.AI

AI-Powered Media Enhancement Platform

- Developed an AI media enhancement platform using **FastAPI** and **Next.js**, integrating **Google SSO**, **Stripe** billing, and secure media storage on **Cloudflare R2**. Architected the platform for scalability and seamless end-to-end user experience.
- Built a distributed job system with **Celery** + **Redis** and optimized uploads via **presigned URLs** for scalable AI media processing.
- Added real-time job tracking with **WebSockets**, automated CI/CD using **GitHub Actions**, and full observability through **OpenTelemetry & Grafana**.

For more details, visit my blog [here](#).

EDUCATION

Jai Hind College

Mumbai, India

M.Sc. in Big Data Analytics

Aug. 2020 – June 2022

K.P.B Hinduja College

Mumbai, India

B.Sc. in Information Technology

July. 2017 – June 2020