

AFTAB AZIZ

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Professional Summary

Full Stack Software Developer with **11 months of production experience** in Python, FastAPI, Next.js, Docker, and CI/CD. Designed and shipped a multi-tenant job scheduling platform with **109+ REST APIs**, Celery-based distributed processing, automated Jenkins deployments, and production monitoring using Prometheus and Grafana.

Technical Skills

Languages	Python, TypeScript, JavaScript, SQL, Bash
Frameworks & Libraries	FastAPI, SQLAlchemy, Celery, Next.js, React, Redux Toolkit, Tailwind CSS
Databases	MariaDB, PostgreSQL, MySQL, Redis
DevOps & Cloud	Docker, Jenkins, GitHub Actions, AWS EC2, Linux, Nginx
Testing & Monitoring	pytest, Postman, Prometheus, Grafana
Tools	Git, Jira, Gitea, n8n

Professional Experience

Teknomee Solutions Pvt. Ltd. Aug 2025 – Present
Full Stack Developer (Promoted from Intern) Remote, India

- Led end-to-end development of **Krons24**, designing **14 SQLAlchemy models**, implementing **109+ REST endpoints** with FastAPI, and delivering a Celery-based microservices architecture.
- Built Jenkins CI/CD pipelines with Gitea webhooks, Docker, Alembic migrations, health checks, rollback support, and automated Git-based backup/recovery workflows across **12+ services**.
- Developed automated testing using **pytest**, **pytest-asyncio**, and **pytest-cov**; implemented monitoring with Prometheus and Grafana across **12+ services** and **3 production environments**.

Projects

Krons24 – Production Job Scheduling Platform krons24.com
Python, FastAPI, Next.js, Celery, Redis, MariaDB, Docker, Jenkins

- Designed a multi-tenant relational schema with **14 SQLAlchemy models** and workspace-scoped relationships enabling isolated customer execution.
- Implemented dependency DAG validation with circular dependency detection and configurable execution policies.
- Built configurable retry mechanisms with exponential backoff, retry limits, and persisted execution attempts.
- Engineered SSH-based remote execution using Paramiko with encrypted credential storage and health checks.
- Developed a visual workflow builder using XYFlow, React 19, Redux Toolkit, and Next.js with real-time execution updates.
- Containerized the complete stack with Docker Compose and deployed through Jenkins pipelines with Alembic migrations and versioned builds.

Education

Delhi Technological University (Formerly DCE) Sep 2020 – Oct 2024
B.Tech in Mathematics and Computing

Certifications

Google Advanced Data Analytics (Coursera, 2024)
AWS Certified Cloud Practitioner (CLF-C02) – In Progress

Achievements

5-Star SQL Coder on HackerRank; Promoted from Intern to Full Stack Developer within 3 months for strong production ownership and delivery.