SAJID KALAM

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PROFESSIONAL SUMMARY

Backend Engineer with hands-on experience building, deploying, and maintaining production-grade web applications using Python, Django, and PostgreSQL. Currently developing and supporting a live Electronic Medical Record (EMR) platform serving thousands of patient records, with responsibilities spanning backend architecture, REST API development, database migration, deployment, and production support. Passionate about taking ownership of features from design through deployment while leveraging modern AI tools to improve engineering productivity and accelerate software delivery.

EXPERIENCE

Corunit Media Corp. March 2025 – Present

Associate Engineer Backend & Product Engineering Remote

- **End-to-End Feature Delivery**: Designed, built, tested, and deployed major features including patient intake, SOAP notes, therapy notes, superbill management, audit logging, and a comprehensive admin dashboard.
- **API Architecture & Mobile Readiness**: Engineered a suite of clean, reusable REST APIs with Django REST Framework, architecting the backend for future mobile expansion.
- **Production Database Migration**: Executed the migration of a live production database from SQLite to PostgreSQL, resolving schema incompatibilities while preserving data integrity and ensuring uninterrupted application availability.
- **Scalable Data Engineering**: Built a robust Excel-based patient import pipeline from scratch, incorporating schema mapping, validation, duplicate detection, and production-safe migration workflows.
- **Production Deployment**: Managed Linux-based deployments using AWS, Gunicorn, and Nginx, resolving production issues to ensure stable and reliable releases.
- **Direct Collaboration**: Worked directly with the CTO and stakeholders to translate business needs into production-ready software, demonstrating clear communication and the ability to operate without hand-holding.
- **Performance Optimization**: Improved backend performance through database optimization, efficient query design, caching strategies, and continuous production monitoring.
- **Real-World Impact**: Platform currently manages **2,500+ Patients**, **9,600+ SOAP Notes**, and **4,500+ Patient Visits**.

Personifwy April 2024 – May 2024

Data Science Intern Remote

- Shipped two high-accuracy NLP models: an SMS Spam Classifier (SVM, **98% accuracy**) and a Hate Speech Detection model (Logistic Regression, **92% accuracy**), demonstrating the ability to deliver end-to-end ML solutions from data preprocessing to evaluation.

PROJECTS

Production EMR Platform (Corunit Media Corp.) | *www.circle.emrmd.com*

- A production-grade Electronic Medical Record (EMR) platform serving healthcare providers with patient management, clinical documentation, billing, and administrative workflows.
- Designed, implemented, and maintained production backend services, REST APIs, database architecture, deployment workflows, and healthcare automation supporting thousands of patient records.
- **Tech Stack**: Python, Django, Django REST Framework, PostgreSQL, AWS, Linux, Nginx, Gunicorn, Celery
- **Production Scale**: 2,500+ Registered Patients | 9,600+ SOAP Notes | 4,500+ Patient Visits | Production healthcare platform actively used by clinical staff.

Employee Management System (Corunit Media Corp.) | *www.velocity.corunit.com*

- Designed and developed a production-ready employee management platform for managing employee records, attendance, leave requests, departments, and administrative operations.
- Implemented secure authentication, Role-Based Access Control (RBAC), employee lifecycle management, attendance tracking, and responsive administrative dashboards.
- **Tech Stack**: Python, Django, PostgreSQL, HTML, CSS, JavaScript, Bootstrap
- **Highlights**: Secure authentication, RBAC, CRUD operations, attendance management, responsive dashboard, scalable relational database design, and production deployment.

DailyExplainers | *www.dailyexplainers.com*

- Co-developed a production-ready publishing platform with responsibilities shared across engineering and content operations.
- Designed and implemented the complete backend architecture, authentication, deployment pipeline, database schema, and responsive frontend using Django.
- Collaborated on SEO and content publishing workflows while optimizing backend performance, security, caching, and production deployment.
- **Impact**: Achieved **3,126 Google Search headline impressions** and **395 headline clicks** within approximately one month of launch (since June 22, 2026), demonstrating strong organic search visibility and SEO performance.
- **Tech Stack**: Django, PostgreSQL, HTML, CSS, JavaScript, Bootstrap, Markdown, Linux, Nginx, Gunicorn
- **Highlights**: Modular architecture, SEO-friendly implementation, responsive design, secure authentication, performance optimization, production deployment, caching, and query optimization.

AI-Powered Quiz Generator | *Academic Project*

- Designed and developed a full-stack AI-powered quiz generation platform enabling teachers to create quizzes dynamically using Google Gemini and OpenAI, with automated fallback mechanisms for reliable generation.
- Implemented secure authentication, role-based dashboards for administrators, teachers, and students, quiz management, attempt tracking, and AI-assisted academic workflows.
- **Tech Stack**: Python, Django, SQLite, Google Gemini API, OpenAI API, HTML, CSS, JavaScript, Bootstrap
- **Highlights**: AI-powered quiz generation, RBAC, REST integration, custom authentication, quiz analytics, automated fallback logic, and responsive dashboard.

EDUCATION

Siliguri Institute of Technology — Pursuing
Master of Computer Applications (MCA) — Siliguri, West Bengal

University of North Bengal — 2021 – 2024
Bachelor of Computer Applications (BCA) ***CGPA: 9.31 / 10*** — West Bengal

TECHNICAL SKILLS

Languages : Python, JavaScript, SQL, Java, C++
Backend & APIs : Django, Django REST Framework, REST API Design, Authentication/Authorization
Data : PostgreSQL, SQLite, Database Migration, Schema Design, Query Optimization
Infrastructure & Deployment : AWS, Linux, Gunicorn, Nginx, Celery, SSL/TLS, DNS, Full-Cycle Deployment
Frontend Technologies : HTML5, CSS3, JavaScript, Bootstrap, Tailwind CSS, HTMX (able to build UI to ship features)
Developer Tools : Git, GitHub, VS Code, Postman, Swagger/OpenAPI, ChatGPT, Claude
Engineering Practices : Production Debugging, Performance Tuning, Test-Driven Mindset, Git, CI/CD Awareness

CERTIFICATIONS

HIPAA Privacy Training (OSHAcademy) | Machine Learning (Simplilearn) | Python for Beginners (Simplilearn) | Java Programming (Simplilearn) | C Programming (Simplilearn)