Sarwar Alam

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Lead Software Engineer

With 6+ years of experience in Full Stack Development, Python, Django, and Machine Learning, I have optimized server-side applications, resulting in a 30% performance increase in just 6 months. I have managed teams, integrated third-party APIs, and improved predictive accuracy by 40% in under a year.

WORK EXPERIENCE

Jumatechs • **Remote** • **01/2024 - Present**

Lead Software & Machine Learning Engineer • **Full-time**

- Developed and deployed machine learning algorithms and models, achieving a 40% improvement in Predictive accuracy for 'Bank Reconciliation', and solving complex problems in domains such as and retail.
- Cleaned, pre-processed, and analyzed datasets of up to 10 million rows, extracting actionable insights and features that led to a 15% increase in operational efficiency.

Magma IT • **Dhaka, Bangladesh** • **01/2023 - 02/2024**

Full Stack Developer • **Full-time**

- Developed and optimized scalable server-side applications using Python and Django Framework resulted in a 30% increase in system performance and a 25% reduction in load times.
- Increased application performance by 30% through optimized code and efficient use of Tailwind CSS, resulting in faster load times within 6 months.
- Guiding cross-functional teams to deliver high-quality software solutions, ensuring on-time and budget-compliant project completion.
- Integrated third-party APIs to automate workflows, reducing manual tasks by 40%.
- Utilized Docker and AWS for deployment, ensuring application scalability and reliability.

Arena Web Technology • **Dhaka, Bangladesh** • **01/2018 - 02/2023**

Team Leader

- Directed a team of 10+ developers, driving a $10M profit over four years by delivering innovative software solutions.
- Successfully organized and managed Cyber Hero events, enhancing the company’s market presence.
- Led a cross-functional team of 8 engineers, focusing on engagement, performance management, and career development. Increased team retention by 18% and improved performance metrics by 25% based on team feedback and development initiatives.

EDUCATION

B.Sc. in Electrical and Electronics Engineering

Daffodil International University • Dhaka, Bangladesh

PROJECTS

AI Based Payroll, Accounting Management System • 09/2024 - Present

https://www.balanzify.com/

- Balanzify is your AI-powered financial partner, automating payroll, accounting, tax compliance, HR, and inventory.
- It will improve user efficiency by 42% in comparison with the traditional market.
- Leading the backend team.

Amazon SP-API App • 02/2024 - Present

www.skuatlas.com

- Developed a robust Amazon Selling Partner App using Django and React for maintaining pricing and scraping data via Selenium and BeautifulSoup.
- Scaled the system to handle data from thousands of products, improving efficiency by 35%.

RAG Chat App • 03/2026 - 03/2026

https://rag.thesarwar.site

- Developed a Retrieval-Augmented Generation (RAG) backend using FastAPI, Qdrant, and Gemini AI.
- Implemented a complete RAG pipeline for document processing, including PDF/DOCX uploads, chunking, embedding generation, and vector storage.
- Integrated Inngest for asynchronous background job orchestration, enhancing system responsiveness and scalability.
- Designed and implemented hallucination control mechanisms, ensuring grounded responses and conversational memory for multi-turn interactions.

Timesheet Management App • 08/25 - 02/2026

https://loggrly.com/

- A full-stack time and project management platform built with **Next.js (Frontend)**, **Django (Backend)**, and **Tailwind CSS**.
- **Real-Time Tracking & Categorization:** Features one-click time tracking, detailed categorization by project and client, and intuitive dashboards for monitoring team activity.
- **Advanced Reporting & Billing:** Generates comprehensive reports on billable/non-billable hours, project profitability, and team capacity.
- **Workflow Integration:** Streamlines timesheet approval processes and exports data (CSV/PDF) for seamless integration with external payroll and invoicing systems, substantially boosting operational efficiency.

Sentiment Analysis • 08/2022 - 11/2022

https://sentiment.thesarwar.site

- Built a machine learning application using Logistic Regression for sentiment analysis of tweets and posts.
- Deployed on AWS, enabling real-time analysis for thousands of data points.

SKILLS

Frontend: JavaScript, React, Next.js, HTML, CSS, Tailwind CSS

Backend: Python, Django, Celery, Gunicorn, Flask, Rest Framework, API development, Selenium

Server & Deployment: AWS, GCP, Azure, VPS, Nginx, Ubuntu, Docker, GitHub Actions CI/CD, Terraform, Jenkins CI/CD, AWS CodePipeline, AWS S3, Route 53

AI & ML: NLP, Langchain, TensorFlow, Scikit Learn, CNN, Llama, RAG, Inngest, Qdrant

Payment Integration: Stripe, Paypal, Bkash, SSLcommerz, HyperPay

Cyber Security: Penetration Testing, VAPT, Malware Analysis, Threat Hunting, Wireshark

Language: Bengali, English, Arabic, Hindi