

MONIRUL ISLAM

Senior Full Stack Engineer · Python · Django · Next.js · React · 10+ years

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 10+ years of experience building business software with Python, Django, Next.js, and React. Currently building an AI-powered accounting platform for a Swiss wealth management firm — multi-currency ledgers, ISO 20022 bank reconciliation, and LLM-based document processing. Proven track record delivering production-grade ERP, CRM, payroll, and SaaS products end-to-end, from data model to deployment. Fluent in English (C2), experienced in async collaboration with international teams, and open to remote-first roles.

CORE SKILLS

Backend: Python, Django, Django REST Framework, FastAPI, Celery, REST API design, background job processing

Frontend: Next.js, React, TypeScript, JavaScript (ES6+), Tailwind CSS, HTML5/CSS3, responsive UI

Databases: PostgreSQL, MySQL, Redis, MongoDB, schema design, query optimization & performance tuning

DevOps & Cloud: Docker, AWS, CI/CD pipelines, Nginx, Gunicorn, Linux server administration, Git

AI & Data: LLM integration (OpenAI & Claude APIs), RAG pipelines, prompt engineering, human-in-the-loop AI workflows, Machine Learning, Pandas, NumPy, Scikit-learn

Architecture: Multi-tenant SaaS, authentication & role-based access control, payment gateway & third-party API integration, webhook-driven workflows, system design

CRM & Automation: HubSpot CRM setup & implementation (Certified), sales & marketing automation, contact management & segmentation, email automation, landing pages, website integration, workflow automation, custom dashboards & reporting

Fintech & Domain: Double-entry accounting, multi-currency ledgers & FX revaluation, ISO 20022 (camt.053), Swiss QR-bill, VAT handling, ERP (incl. Oracle ERP), payroll systems

Ways of Working: Async remote collaboration, code review & mentoring, technical documentation, Agile delivery

WORK EXPERIENCE

Full Stack Engineer 2025 — Present

Allina Financial Services Sàrl — Geneva, Switzerland · Remote · Full-time since Jul 2026

- Sole engineer building “Beacon”, an AI-powered bookkeeping and accounting platform for a Swiss private wealth management firm (Django, DRF, Next.js, PostgreSQL).
- Designed a multi-currency, CHF-base general ledger with FX revaluation and a Swiss SME chart of accounts (Kontenrahmen KMU), plus Swiss VAT handling.
- Implemented bank reconciliation from ISO 20022 (camt.053) statement feeds and Swiss QR-bill generation and parsing for invoicing and payments.
- Built a human-in-the-loop LLM pipeline that extracts data from uploaded invoices and receipts and proposes journal entries for accountant review.

Senior Python / Django Developer Jan 2012 — Present

Freelance & Contract · Remote · International clients

- Designed and delivered full-stack web applications with Python, Django, and DRF backends paired with Next.js and React frontends.
- Architected scalable backends: REST APIs, background task queues (Celery + Redis), and PostgreSQL data models for high-traffic applications.
- Built multi-tenant SaaS products end-to-end — authentication, billing integration, role-based permissions, and admin dashboards.
- Integrated third-party APIs (payment gateways, messaging platforms, AI/LLM APIs) for seamless cross-system workflows.
- Containerized applications with Docker and deployed to AWS/Linux with Nginx, Gunicorn, and CI/CD pipelines.

- Mentored junior developers, led code reviews, and established engineering best practices across client teams.

HubSpot CRM Specialist & Automation Consultant Jun 2016 — Present

Freelance · Remote · International clients

- Deliver end-to-end HubSpot CRM setup and implementation: portal configuration, contact management, pipeline design, and data migration.
- Build sales and marketing automation — lead capture, segmentation, scoring, and nurturing sequences that reduce manual sales operations work.
- Set up email automation, landing pages, and forms, and integrate HubSpot with client websites and Django backends via APIs and webhooks.
- Design workflow automation and custom dashboards/reporting, and train client teams on CRM adoption and best practices.

Assistant Manager — Planning & Operations Nov 2012 — Present

Noman Terry Towel Mills Ltd. — Gazipur, Bangladesh · Export-oriented textile manufacturer

- Administer Oracle ERP modules (Production, Order Management, Inventory) and built internal Python tools for capacity analysis, forecasting, and reporting.
- Manage production planning and dispatch scheduling, coordinating procurement, production, and logistics to optimize throughput and on-time delivery.

SELECTED PROJECTS

Forecasting & Optimization Suite — Python models (Pandas, NumPy, Scikit-learn) for demand forecasting, inventory optimization, and customer retention, integrated with ERP data and used in live operational decisions.

Capacity & Dispatch Optimization Model — Mathematical model for production capacity allocation and dispatch scheduling that reduced delays and operational cost.

EDUCATION

Bachelor of Business Administration (BBA), in progress — Bangladesh Open University · Management, Marketing & Data Analytics · expected 2027

LANGUAGES, CERTIFICATIONS & COMMUNITY

Languages: English — Fluent (C2, written & spoken) · Bengali — Native · Hindi — Conversational (C1)

Certifications: HubSpot CRM Certified

Volunteering: Mentor, Python Programming Bootcamp, Dhaka (2018 — Present)