

# Seif Eldin Ashraf

Backend Software Engineer

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## PROFILE

Backend Software Engineer building production Node.js and TypeScript APIs for real clients. Developed NestJS and Express services with PostgreSQL, Redis, Docker, and AWS, including auth, RBAC, and background jobs.

## TECHNICAL SKILLS

**Programming Languages:** TypeScript, JavaScript, SQL  
**Backend:** Node.js, NestJS, Express.js, REST APIs, BullMQ, OpenAPI  
**Databases:** PostgreSQL, Prisma, Sequelize, Redis, MongoDB  
**Cloud & DevOps:** AWS, EC2, S3, Docker, GitHub Actions, PM2, Jest  
**Authentication & Security:** JWT, OAuth 2.0, RBAC, Argon2  
**Frontend:** React, Next.js

## PROFESSIONAL EXPERIENCE

### Backend Full Stack Engineer

Freelance

January 2024 - Present

- Designed and developed backend systems for production web applications serving real clients across multiple business domains.
- Built scalable RESTful APIs using Node.js, Express, NestJS, and Next.js API Routes.
- Designed relational and NoSQL database schemas using PostgreSQL, MongoDB, Prisma, and Redis.
- Implemented authentication, RBAC, payment integrations, email services, file management, and background job processing.
- Deployed and maintained Linux production environments using Docker, PM2, Nginx/Caddy, GitHub Actions, and AWS EC2.
- Collaborated directly with clients to gather requirements, estimate technical work, and deliver maintainable production-ready software.

### Backend Full Stack Developer Intern

MAS for Programming

February 2026 - Present

- Developed backend features using Node.js, Express, and NestJS.
- Designed and implemented RESTful APIs following clean architecture principles.
- Worked with PostgreSQL and MongoDB to design and optimize database schemas.
- Collaborated with senior engineers through code reviews and Agile development practices.

## PROJECTS

### CRMPro

Multi-tenant B2B CRM platform

- Designed a shared-database multi-tenant NestJS API with separate tenant/admin planes, RBAC, and plan-gated quotas.
- Implemented BullMQ import/export workers with atomic claim/reclaim and 90 API specs (bulk up to 500 leads).

### Voclio Backend

Voice-to-task productivity API

- Built a dual-process Express API and BullMQ workers for voice → STT → LLM extraction with sync fallback.
- Integrated Google Calendar OAuth with AES-256-GCM token encryption and timezone-aware due-date parsing.

### Field Capture

Field ops and workforce payroll

- Developed multi-role portals with Stripe Connect transfers, payout-period dedupe, and S3 uploads up to 500MB.
- Delivered production deploys via GitHub Actions to AWS EC2 with Prisma migrate, PM2, and Caddy TLS.

### Rabet

Pay-per-lead marketplace

- Designed client/provider/admin APIs with unlock-gated contact privacy and an immutable wallet ledger.
- Built transactional provider onboarding and JWT refresh sessions with logout-all revocation.

## EDUCATION

### Bachelor of Science in Computer Science

Egyptian E-Learning University (EELU) • Cairo, Egypt • 2022 - 2026