

Omar Bendary

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Summary

Software Engineer with 4+ years of experience designing and operating backend systems, infrastructure automation platforms, and distributed architectures at scale. At Vodafone (VOIS), I own the development of an enterprise Infrastructure as Code platform that automates network operations across multiple markets — from API design and backend logic to orchestration, containerization, and CI/CD pipelines. My focus areas include building reliable distributed systems, eliminating manual toil through automation, optimizing database performance, and designing for resilience and observability in production environments. Contributed to platforms serving 1.5M+ users and led incident response for production infrastructure. Always exploring how to build systems that scale gracefully and fail predictably.

Work Experience

Senior Software Engineer

VOIS – Vodafone Group | September 2024 – Present

- Engineering an internal automation platform on top of Ansible AWX that orchestrates network, infrastructure, and admin operations across Vodafone markets — replacing manual workflows that previously took hours with self-service flows completed in minutes.
- Designing and shipping REST APIs powering the platform's integration with front-end systems and downstream network tools.
- Building and maintaining CI/CD pipelines enabling rapid, zero-downtime deployments to production.
- Partnering with network, infrastructure, and operations teams to translate manual runbooks into reliable, auditable automation — cutting human error and freeing engineers to focus on higher-value work.

Backend Engineer

Bit68 – Software House, Cairo | December 2022 – September 2024

- Shipped backend systems for multiple production products across MENA, including BOGO and large-scale apps deployed in Iraq and Morocco — collectively serving millions of users.
- Architected and maintained scalable Django services and RESTful APIs using Django REST Framework, balancing delivery speed with long-term maintainability across a fast-moving software house environment.
- Optimized PostgreSQL schema, queries, and indexing strategies, improving database performance by 40% on high-traffic endpoints.
- Deployed and operated services on AWS (EC2, RDS, S3), containerized with Docker and fronted by Nginx as a reverse proxy.
- Mentored junior developers and led code reviews, raising overall code quality and consistency across teams.

Backend Engineer Intern

AZ Studios – Marketing Agency, Cairo | September 2022 – December 2022

- Contributed to backend development across the full application lifecycle — coding, debugging, and shipping reusable components used across multiple projects.

Technical Skills

- **Languages:** Python, SQL, JavaScript
- **Frameworks:** Django, Django REST Framework, React (basic)
- **Databases:** PostgreSQL (query optimization, schema design, migrations)
- **DevOps & Cloud:** Docker, Kubernetes, Nginx, AWS (RDS, S3, EC2), CI/CD, Azure DevOps
- **Tools:** Git, Ansible, Redis, Celery

Education

Bachelor's in Communications and Computer Engineering

Mansoura University | Graduated 2020 | GPA: 3.14 / 4.00 (Very Good)

Projects

Hydra – Internal Automation Platform (*Vodafone Internal*)

- Building Infrastructure as Code (IaC) platform on top of Ansible AWX to automate network configuration and deployment workflows
- Developing Django backend with REST APIs for workflow orchestration, task scheduling, and parallel execution of playbooks
- Implementing request lifecycle management with status tracking, permissions, and audit capabilities

BOGO Plus ([App Store](#))

- Led backend development for digital transformation from coupon book to mobile application
- Built APIs supporting 1.5 million active users with high availability requirements
- Implemented user authentication, offer management, and redemption tracking systems

Omar Khairat Official Website ([omarkhairat.com](#))

- Developed full backend architecture using Django for renowned Egyptian composer's official site
- Implemented user authentication, content management APIs, and security best practices

Master Store E-Commerce ([masterstoreiq.com](#))

- Contributed to e-commerce platform for Apple products including feature development and optimization

ScoutX – Digital Sports Management ([iOS](#) | [Android](#))

- Built REST APIs using Django REST Framework for youth sports development platform

Personal Projects

- **Storefront** – E-commerce application with Django, user authentication, and comprehensive test coverage ([GitHub](#))
- **News Scraping Tool** – Web scraper using Python, Django, and Scrapy for article collection and storage ([GitHub](#))
- **National ID Validator API** – API to validate and extract data from Egyptian national IDs using regex ([GitHub](#))

Languages

Arabic: Native | **English:** Fluent (spoken and written)