

# Hassan Refaat

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## SUMMARY

**Product-minded** backend engineer with **strong ownership** who takes initiatives from idea to production. Passionate about solving user problems, building MVPs, and measuring impact. Skilled in distributed systems, database optimization, and managing technical debt in high-traffic environments.

## EDUCATION

### The Egyptian E-Learning University (EELU)

*Bachelor of Computer Science — GPA: 3.2/4.0*

Asyut, Egypt

*Jul 2020 – Jun 2024*

## EXPERIENCE

### Backend Engineer

Aug 2024 – Present

*Taager*

*Maadi, Egypt*

- Integrated WooCommerce and Lightfunnels connectors, driving **300K+ orders** across opted-in markets
- Spearheaded a Shopify-like store builder from scratch, architecting backend with Spring Boot and frontend with Next.js; led **3 engineers** to deliver MVP now processing **100+ orders daily**
- Collaborated with product team to redesign order confirmation flow, increasing confirmation rate by **2%**
- Served as technical partner for top-tier merchants, unblocking critical issues, guiding platform migrations, and building custom tooling (bulk publishing, workflow automation) to improve retention
- Refactored internal services reducing latency by **15%**, optimized logging saving **\$500/month**, and led migration decommissioning **2 legacy systems**

### Backend Engineer

Nov 2023 – Aug 2024

*Scicave*

*Remote, Egypt*

- Developed scalable backend services, improving system response times and operational efficiency
- Increased test coverage to **80%** with unit and integration tests, reducing production bugs
- Deployed applications on AWS with automated CI/CD pipelines
- Documented comprehensive technical guidelines to streamline onboarding and reduce ramp-up time

### Software Engineer Intern

Aug 2022 – Sep 2022

*Banque Misr*

*New Cairo, Egypt*

- Developed core features for an e-commerce Android app, contributing to successful deployment
- Participated in code reviews and technical discussions, improving app features and performance

## PROJECTS

### Yadwy – Founder & Lead Engineer

May 2024 – Present

*Spring Boot, PostgreSQL, Redis, Docker, GCP, OpenTelemetry, Grafana*

- Founded yadwy.app, a multi-seller handmade marketplace; led product discovery, market research, and seller interviews
- Architected modular monolithic backend using Spring Boot and PostgreSQL with Redis caching for performance
- Built customer marketplace, seller portal, and admin dashboard using React/TypeScript via AI coding agents
- Self-hosted infrastructure on GCP with Docker stack, Cloudflare R2 for media, and Grafana/OpenTelemetry for observability
- Integrated shipping company APIs enabling sellers to manage orders and fulfillment end-to-end

### Tekview | *Spring Boot, GoDaddy API, Payment Gateway*

Apr 2024 – Jul 2024

- Architected web-building platform with subscription services and domain management
- Integrated GoDaddy API for domain purchasing and DNS management
- Implemented secure payment gateway and admin dashboard for managing users and subscriptions

## TECHNICAL SKILLS

**Languages:** Java, Kotlin, Golang, SQL

**Frameworks:** Spring Boot, Spring MVC, Spring Data, Hibernate, Spring AI

**Databases:** PostgreSQL, MongoDB, Redis

**DevOps & Cloud:** AWS, Kubernetes, Docker, Jenkins, ArgoCD, GitHub Actions, Terraform, Ansible, Linux

**Other:** LLMs, RAG, AI Agents, RabbitMQ, GRPC, DataDog, Grafana, Systems Design, Microservices, Design Patterns