

# 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