

Ahmed Emad

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Professional Summary

Senior Backend Engineer with 6+ years of experience building **scalable backend systems** using **Node.js**, **Laravel**, and **Python**. Strong background in APIs, databases, and cloud infrastructure. Product-minded engineer who collaborates with stakeholders and leverages **AI tools** to deliver business-driven solutions.

Professional Experience

Senior Software Engineer

Jan 2026 - Present

Uptal

Riyadh, Saudi Arabia (Remote)

- Drive backend architecture, services, and cloud infrastructure for Etch, a location-based social platform.
- Architected multi-stage **AI** import pipeline that extracts places data from URLs, text, video, and images.
- Designed event-driven serverless backend in **TypeScript** on **Firebase** Cloud Functions.
- Built CI/CD on **Azure Kubernetes** using GitHub Actions, Docker and cert-manager for automated TLS.

Software Engineer

Dec 2021 - Jan 2026

Trufla

Cairo, Egypt

- Built and maintained a backend for a B2B insurance **SaaS** platform serving **60+ enterprise clients**.
- Rebuilt the backend **from scratch using NestJS**, applying modular architecture and DTO validation.
- Designed and implemented **multiple microservices** using **AWS**, databases and security layers
- Automated CI/CD, reducing review effort by **70%** and deployment time by **50%**.
- Implemented **50+ database migrations** across **MySQL** and **MongoDB** using **Node.js** and **Laravel**.

Software Engineer

Mar 2021 - Dec 2021

Bayt.com

Dubai, UAE (Remote)

- Worked on Bayt.com's large-scale job platform serving employers and job seekers.
- Developed and maintained scalable backend features using PHP, Yii and **Python**.
- Built an **AI-powered** CV enhancement feature to improve job matching quality.
- Worked with **PostgreSQL**, **ClickHouse**, and **Redis** for analytics, caching, and data storage.

Web Developer Intern

Jun 2020 - Sep 2020

ITI - Information Technology Institute.

Alexandria, Egypt

- Intensive training in JavaScript, PHP, Laravel, and MySQL; built multiple CRUD apps.
- Developed and launched "Web Pattern", a full web application graduation project (100% score).

Related Projects

AI Agent Execution Service

Aug 2025 - Nov 2025

- Built an **AI agent** in **LangChain** with reasoning-action workflows, planning, and dynamic execution.
- Integrated **LLM reasoning** with external tools/APIs for extensible, modular AI workflows.

Skills

Programming languages: Javascript, PHP, Typescript and Python. Familiar with, C++, C#.

Frameworks: Laravel, ExpressJS, NestJS. Familiar with Yii and React.

Databases: MySQL, MongoDB, PostgreSQL, Firestore and Redis.

Product Skills: Writing user stories, requirement analysis, feature scoping, stakeholder communication.

Other: Git, AWS, Firebase, Azure Kubernetes, Docker and REST APIs.

Education

B.S. Computer Science — *Kafr El-Sheikh University*

Sep 2017 - Jun 2021

Relevant coursework: Object Oriented Design, Algorithm Design and Analysis, Systems Analysis and Design.

Awards, Competitions, and Extra-curriculars

ACM ECPC Egypt 2019 and 2020 — 5th place (Coach); **Google Code Jam 2019** — advanced 2 rounds.