

# Ahmed Hatem Elraei

Software Engineer / Backend

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## SUMMARY

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I'm a software engineer interested in web development, especially back-end. Quality delivery is my all-time priority, and I always pay extreme attention to detail. I am well-versed in the relevant new technologies. I have all the necessary knowledge, skills, passion to learn, and experience to develop a project from the first idea to the final product. Also, passionate about learning and sharing with the community, with a strong belief that growth is exponential when done with others. I've enjoyed exploring and learning new things for as long as I can remember.

## SKILLS

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JavaScript, Python, Node.js, TypeScript, Express.js, Nest.js, Django, FastAPI, Flask, PostgreSQL, MySQL, MongoDB, React, Docker, Linux, Git, Agile, Frappe, ERPNext, C++, Java, Redis, RabbitMQ, HTML, CSS, AWS, Heroku

Teamwork, Problem-solving, Creativity, Leadership, Adaptability

## EDUCATION

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**Bachelor Of Science in Computer Science** | 2021-2025

*Modern Academy, Maadi, Cairo*

## EXPERIENCE

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**Vivionify, Remote** | Lead Backend Engineer

• September 2023 – Present

Vivionify is a software company established under the umbrella of **Kiro Travel**, specializing in scalable, high-performance software solutions.

- Architect scalable, microservices-based backend systems (Node.js, Python) with 99.9% uptime.
- Lead and mentor a team of 3+ engineers, ensuring code quality and skill growth.
- Optimize performance (40% faster APIs) via query tuning, caching, and async processing.
- Manage CI/CD (CircleCI, GitHub Actions) and Docker/Kubernetes for rapid deployments.
- Collaborate with cross-functional teams to design APIs, databases, and secure systems.
- Ensure best practices in security (OAuth2, JWT), testing, and documentation (Swagger).
- Enhanced business value with new payment integration, boosting transactions and reducing fraud.
- Using Python, Django Rest Framework, Celery, PostgreSQL, JavaScript, Node JS, Express JS, and Redis.

**Kiro Travel, France - Remote** | Senior Backend Engineer

• September 2023 – December 2024

Kiro Travel is a France-based company specializing in travel services and the development of innovative travel solutions.

- Architect and roadmap backend systems supporting 75K+ users with microservices.
- Design and optimize PostgreSQL/MongoDB schemas for travel bookings.
- Manage AWS & Heroku infrastructure and CI/CD pipelines for 99.9% uptime.
- Integrate real-time (Pusher), messaging (Twilio, Ultramsg), and Stripe payments.

**Nullify, Cairo, Egypt - Remote** | Senior Backend Engineer

• September 2023 – March 2024

- Developing scalable backend solutions.
- Integrating third-party APIs for various applications.
- Led high-profile projects.
- Optimized API response times.
- Drove process improvements within the outsourced development team.
- Recognized for mentoring junior developers.
- Translating business requirements into effective technical solutions.
- Using Python, Django Rest Framework, Celery, PostgreSQL, JavaScript, Node JS, Express JS, and Redis.

**Global High Tech, Cairo, Egypt - Onsite** | Backend Engineer

• March 2022 - September 2023

- Put the technical plan and design the architecture of the product.
- Implemented business logic.
- Generated reusable code libraries.
- Used Python, Django Rest Framework, Celery, PostgreSQL, JavaScript, Node JS, and Express JS.
- Worked with AWS products like S3, RDS & EC2 and Heroku.
- Worked on backends for management systems, vacation homes & condo rentals platforms, car rentals, restaurants & food platforms and medical platforms.

**TRILOGY-IT, Riyadh, KSA - Remote** | Software Engineer

• July 2022 - August 2023

- Develop and customize web applications using Frappe framework & ERPNext for efficient ERP and CRM solutions.

**Bayan Medical Services, Jeddah, KSA - Remote** | Backend Engineer

• July 2021 - December 2021

- I worked on the backend for a huge medical services platform, including insurances, supplies, and devices, etc.
- I was responsible for curating the structure of server-side information.
- Designed REST APIs utilized by client-side engineers.
- Implemented business logic.
- Generated reusable code libraries.
- Used Python, Django Rest Framework, Celery, PostgreSQL, and Redis.

**TKC Kitchens, Manchester, UK - Remote** | Full-stack Developer

• July 2019 - November 2019

- I worked on TKC Kitchens' platform, which is an e-commerce platform specialized in delivering newly stocked premium kitchen items countrywide (UK).
- Designed REST API.
- Implemented business logic.
- Integrated with those APIs in the frontend.
- Used Python, PostgreSQL, JavaScript, and Django Rest Framework.
- Platform's URL: <https://tkckitchens.co.uk/>

**Ex-Fresher, Maadi, Egypt - Onsite** | Founder & CEO & Instructor

• August 2023 – Present

- Established "Ex Fresher," a student activity focused on bridging the gap between academics and professional development.
- Curated a comprehensive program offering courses across various academic tracks, fostering well-rounded experiential learning for students.
- As an instructor, I am developing and delivering courses in Python and Backend Development, equipping students with in-demand technical skills.
- Developed and implemented career guidance workshops, equipping students with practical skills and knowledge for successful career launches.
- Led a team of 50+ student volunteers
- We have helped until now over 600+ students explore their career path

## ACHIEVEMENTS

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**EGYPT FWD** | Web Development Advanced Scholarship

• February 2022

**Udacity** | Advanced Full-Stack Web Development Nanodegree Program

• February 2022

**ITIDA** | Next Coders Scholarship Graduate

• October 2022

**Coursera** | IBM Applied Data Science Specialization

• October 2022

**Udacity** | Front End Web Development Professional Nanodegree Program

• October 2021

**Udacity** | Introduction to Programming Nanodegree Program

• August 2019