

# Salah Elhossiny

## Senior Software Engineer

✉ salah.othman.elhossiny@gmail.com ☎ +201021958445 📍 Mansoura, Egypt 🇪🇬 Egyptian

[in](#) Salah-Elhossiny [🔄](#) Salah856

### Profile

Senior Software Engineer (Node.JS-React.Js) and AWS Community Hero with strong ownership mindset, proficient in backend & frontend technologies, excellent communication and collaboration skills, and a passion for learning and adapting to new technologies.

### Professional Experience

#### Senior Software Engineer, *The Food Lab* [🔗](#)

07/2022 – present

Cairo, Egypt

- Built modular, API-centric infrastructure, reducing downtime by 50% during scaling for uninterrupted service and improved scalability.
- Analyzed specs, cutting processing time by 30% and improving system responsiveness by 20%, resulting in a more efficient, user-friendly software product.
- Built recipe management tool (Node.js, React, TypeScript, PostgreSQL) boosting efficiency by 30%.
- Optimized dashboard code to ensure compatibility across 30+ company tenants, enhancing user experience.
- Collaborated with the Data Science team to enhance the backend code, facilitating data visualization insights on Metabase.
- Provided crucial backend support for 30+ Data Science insights.
- Migrated all backend apps and DBs from GCP to AWS, cutting downtime by 90%, saving \$20K/month, and achieving 99.99% uptime.

#### Senior Fullstack Engineer, *Kemet Artificial Intelligence* [🔗](#)

2021 – 2022

Cairo, Egypt

- Collaborated in an agile team of 7 members on the next version of the main product.
- Developed over 30+ isolated, reusable components that contributed to the project's modular structure.
- Ensured code reliability through unit testing of 95%+ components, validating their functionality.
- Conducted visual tests on 15+ critical components, confirming visual consistency.
- Actively participated in 90%+ of daily standup meetings to maintain effective communication.
- Contributed insights to 85%+ of sprint planning discussions, aiding in efficient task allocation.
- Regularly participated in 95%+ of sprint retrospective meetings, driving continuous improvement.

#### Fullstack Engineer, *Bullzaye AI* [🔗](#)

2020 – 2021

Dubai, UAE

- Architected, developed, and debugged complex, scalable systems handling 100TB+ of data for machine learning applications.
- Created distributed systems processing 10 million+ data points per second, optimizing data management and computation.
- Improved user engagement by 20% through the development of web-oriented APIs and user interfaces.

- Collaborated with cross-functional teams to define impactful product features, reducing feature deployment time by 40%.
- Achieved 95%+ positive user feedback by delivering high-quality solutions and developing 30+ responsive UI components.
- Managed data storage efficiently, achieving sub-millisecond response times for 2 million+ records, and optimized infrastructure for 10x traffic surges during peak usage.

**Backend Engineer, Zeidex** [🔗](#)

2019 – 2020  
Cairo, Egypt

- Led legacy system migration to Node.js & MongoDB, cutting maintenance costs by 30% and boosting scalability.
- Designed robust Redis caching to reduce DB load, boosting data retrieval by 40% for better performance.
- Implemented JWT-based user authentication with role-based access control, lowering unauthorized access attempts by 20%.
- Developed real-time WebSocket system for instant user dashboard updates, enhancing user experience.
- Created fault-tolerant RabbitMQ messaging system for seamless inter-service communication, ensuring high availability during peak loads.
- Introduced automated testing, elevating code coverage by 25% and reducing critical production bugs, ensuring system stability.

**Skills**

**Fullstack**

**Development**

- MERN
- Laravel / Vue.js

**Problem Solving**

**Databases**

- MongoDB
- PostgreSQL

**Version Control**

Git: Version Control, Branching, Collaboration.

**Communication and Leadership**

- Communication: Technical & Non-Technical.
- Leadership: Mentoring, Initiatives, Guidance.

**APIs**

- REST
- GraphQL
- gRPC

**DevOps**

Terraform, Jenkins, Travis CI, GitLab CI/CD.

**Programming Languages**

Python || Java || JavaScript || TypeScript || PHP || C++ || Golang || Swift

**Cloud Platforms**

AWS: EC2, S3, Lambda, API Gateway, RDS, etc.  
GCP: Compute Engine, Cloud Storage, Cloud Functions, Firebase, Firestore.

**Testing**

Jest, Mocha, Jasmine, Cypress, Puppeteer, Selenium.

**Security**

Web App Security: Vulnerabilities, Best Practices.

**Certificates**

- AWS ML Specialty [🔗](#)

**Education**

**Bachelor of Mining Engineering,** Faculty of Petroleum and Mining Engineering

09/2011 – 05/2016  
Suez, Egypt