

MICHAEL ZAREF MATTA

SOFTWARE ENGINEER

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SUMMARY

passionate software engineer with experience in building software and IT systems with deferent technologies. Enjoy solving complex problems and creating efficient, scalable systems, skilled in optimizing system performance and integrating modern technologies to enhance system functionality.

EDUCATION

- | | |
|----------------------|--|
| Sept 2019 - Jun 2024 | bachelor's degree in computer and communications engineering
Shoubra faculty of engineering - Benha university |
| Sept 2022 - Jan 2023 | computer engineering scholarship program
Saint Petersburg Electrotechnical University – Russia |

EXPERIENCE

- | | | |
|--|------------------------------------|------------------------------|
| Jun 2025 – present | backend developer | (Topswami LLC) - USA |
| <ul style="list-style-type: none">• Build and improve backend APIs for NFL fantasy game features and user interactions.• Maintain and optimize real-time functionalities for NFL fantasy game.• Fix bugs and add new features based on game rules. | | |
| Oct 2024 – Jun 2025 | Software Engineer | (X-solutions) - Egypt |
| <ul style="list-style-type: none">• Create and maintain automated network testing scripts to ensure reliability and performance.• Design and develop full-stack web applications using modern technologies.• Collaborate with cross-functional teams to integrate, test, and deploy solutions effectively. | | |
| Nov 2024 – Feb 2025 | Python Developer (Contract) | (SecSquad) - USA |
| <ul style="list-style-type: none">• Developed automated solutions to detect data leaks across deep, dark and surface web.• Created real-time alerting systems for any mentions or leaks related to monitored entities.• Utilized web scraping, automation, and threat intelligence techniques to enhance security. | | |
| Jun 2024 – Oct 2024 | web developer | (Freelance) - Egypt |
| <ul style="list-style-type: none">• Developed and launched the official e-commerce for A' HOLLY GRAIL fashion brand | | |
| Oct 2023 – Feb 2024 | Python automation Engineer | (Freelance) - USA |
| <ul style="list-style-type: none">• Develop automation scripts to enhance the efficiency of data labeling process• Succeeded to reduce 80% of working power compared to traditional ways.• Develop web scraping bots to collect data from deferent sources and enhance it to be used in training ai models. | | |

TRAINING

- | | | |
|---|-------------------------------|-------------------------------------|
| Aug 2022 – Sept 2022 | IT & python intern | (Aramex international Egypt) |
| <ul style="list-style-type: none">• Develop internal management dashboard in python.• Configured and troubleshot cisco routers, switches, and firewalls. | | |

- Gained hands-on experience in Server Administration (windows servers).

Jan 2022 – Feb 2022 **Network security trainee (BARQ Systems)**

- Configured and troubleshoot Juniper routers, switches, and firewalls.
- Gained hands-on experience in network security concepts.

Jun 2022 - Jul 2022 **Web Developer Intern (Information Technology Institute)(ITI)**

- Wrote custom HTML and JavaScript for ecommerce website.
- Developed interactive prototypes using HTML, CSS, JavaScript, and PHP.

Jul 2022 – Aug 2022 **Cybersecurity Trainee (National Telecommunication Institute NTI)**

- Completed Cisco CyberOps certification content.
- Strengthened capabilities in monitoring and incident response within a SOC environment.

GRADUATION PROJECT

Graduation project title: “Stock Price Predictor ML model” **Grade: A**

- predicts the movements directions in more than 10 different stocks.
- Integrated data from **3 providers**, enhancing accuracy by **15%** compared to traditional models.

PROGRAMMING LANGUAGES

- Python (Django, pandas, NumPy, Sklearn)
- PHP (Laravel)
- MySQL
- HTML, CSS, JavaScript, ReactJS

TECHNICAL SKILLS

- Object-oriented programming
- Database management
- RESTful APIs
- Documentation and reporting
- Python Django
- API integration

SOFT SKILLS

- Problem-solving
- team worker
- Adaptability
- Time Management
- Communication
- Passionate

MEASURABLE ACHIEVEMENTS

- Achieved 75% accuracy in predicting stock price using ML models in the Stock Price Predictor graduation project.
- Applied 150+ financial articles to analyze market sentiment.
- Monitored 120+ sources across the deep, dark, and surface web to collect data for threat intelligence and leak detection.
- Applied 10+ Automation processes to X-Solutions clients.