Mohammad Shahin

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EDUCATION

Innopolis University   Innopolis, Russia
Bachelor of Science in Computer Science, Data Science Track.   *Aug. 2019 – Jul. 2023*
- Courses: System and Network Administration, Distributed Network Programming, Software System Analysis and Design, Machine Learning, Data Structures and Algorithms, Operating Systems, Linear Algebra, Probability and Statistics, Multivariable Calculus, and Software Engineering.

TECHNICAL SKILLS

Languages: Python, Solidity, JavaScript, Typescript, C++
Frameworks/Libraries: NextJS, ReactJS, Exprees, Flask, Numpy, Pandas, REST-API
Developer Tools: Git, VS Code, Docker, Notion

WORK EXPERIENCE

Blockchain engineer, Full-stack engineer | Full-time   Mar. 2022 – Apr. 2023
Questbook | Solidity, GraphQL NextJS, ReactJS, Express, React Native   *Remote position*
- Implemented new approaches for utilizing decentralized applications on-chain gaslessly without the use of EVM clients like MetaMask.
- Contributed in building a platform which enables the payments with multi-signature wallets like Gnosis Safe (on EVM), Realms (on Solana).
- Participated in the Reclaim project, which involves a mobile application designed to authenticate digital information through a zero-knowledge blockchain mechanism.
- Developed the verification of various claims, such as demonstrating a bank balance surpassing a certain threshold or confirming an individual's anonymous contribution to a specific GitHub repository.

Data engineer | Internship   Nov. 2021 – Feb. 2022
Provectus | Scrapy, Tor, Apache Airflow, Apache Kafka, AWS Glue, PySpark   *Russia, Innopolis*
- Developed web-scrapers starting from naive approaches to utilizing advanced tools such as Scrapy and Tor.
- Performed various distributed techniques to efficiently manipulate and aggregate data such as Apache Airflow.
- Contributed to an open-source data discovery and observability platform conducted by Provectus. The project can be found [here](#).

Backend developer | Internship   Jun. 2021 – Jul. 2021
Innopolis University | Python, Flask, SQLite   *Russia, Innopolis*
- Developed an online platform for chat bots based on AI.
- Created the backend of the platform using Flask. Designed and implemented the SQlite database.

Frontend developer | StartUp   Dec. 2020 – Jun. 2021
Elio | ReactJS, Redux, Graphs   *Remote position*
- Elio is a platform dedicated to maximise the impact of coordinated climate action.
- Developed the Elio's frontend using ReactJS and Redux. Processed Elio's logic with graph-based algorithms.

EXTRA-CURRICULAR ACTIVITIES

EthDenver Hackathon 2022 | *Frontend Development, Blockchain Development*   Feb. 2022 – Mar. 2022
- Achieved second place in Harmony bounties in the area of Defi & NFT.
- Participated in a team of four in creating a savings platform which could leverage web3 and crypto in order to generate social impact.

AI Snakes 2020 | *Back End Development, Java, AI*   Jun. 2020 – Sep. 2020
- Created an educational and competitive learning framework that can be used to introduce topics including programming, artificial intelligence, and machine learning in an enjoyable way. You can check the website [here](#).

Auto Attendance Monitoring   Aug. 2020 – Dec. 2020
- Worked as a frontend developer in a team of six students to create a mobile application for attendance monitoring based on QR-code scanning. The final product has been used by Innopolis University to track attendance.

Competitive Programming | *C++*   Sep. 2015 – Present
- Participated in Syrian Collegiate Programming Contest in 2018.