Moustafa Elhadary

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WORK EXPERIENCE

Mckinsey & Company, **Senior Engineer 2,** *February 2021- Present*   *Miami, Florida*

Technical Consultant & Solutions Architect partnering with Fortune 100 companies to deliver AI-driven solutions across industries.

- **Insurance**: Developed AI tools to process and synthesize thousands of pages per case, enhancing adjuster efficiency and creating frontline coaching tools.
- **Data Management:** Implemented AI solutions **saving over 2,000 hours per week** on data quality control tasks.
- **Healthcare**: Built an MVP inventory management tool that uncovered **$70 million in savings** for the client.
- **Telecommunications**: Created an AI forecasting tool to optimize call center operations for **16,000+ global employees**.
- **E-commerce Logistics**: Built a white-label reverse logistics solution that handled **60 million orders** in the first year.
- **Live streaming**: Launched an iOS live-streaming e-commerce app serving tens of thousands of users.

Tawwr (Tawwr.com), **Co-founder and CEO,** *January 2022- January 2023*   *Cairo, Egypt*

Founded the Middle East's premier 16-week immersive software engineering boot camp with an income-share agreement model.

- Designed a rigorous curriculum covering full-stack web development technologies including JavaScript, TypeScript, React, CSS, Next.JS, Node.JS, NoSQL, and SQL, delivered through an intensive 11-hour-per-day, 5-day-per-week program.
- Managed a selective admissions process with a **< 2% acceptance rate** and oversaw the hiring of the instructional team.
- Worked on business development and fundraising efforts, securing partnerships for our students with major entities like Central bank of Egypt, Halan (Biggest Startup in Egypt) and Wunderman Thompson (Biggest Advertising Firm in Egypt).
- Managed social media accounts and created marketing campaigns to promote the program and attract students.

Logistics Plus, **Global Tech Lead,** *July 2018-January 2021*   *Erie, Pennsylvania*

Led a global agile team of 15 engineers at a **$500 million logistics firm** operating in 40+ countries.

- Developed shipment tracking, warehousing, project management, and invoicing tools with custom bank integrations.
- Oversaw MyLogisticsPlus (logistics platform), HRMS (HR), integrations, and mobile applications.
- Utilized ASP.NET, C#, JavaScript, React.js, & JIRA,for software development and maintenance.
- Created software managing **$20 million** in inventory procurement and installation for **WeWork**.
- Built processes to configure **20,000 tablets per week** for a major food delivery startup.

MochaWallet, **Co-founder/President,** July 2019-September 2020   *Erie, PA*

MochaWallet is an app that allows customers to consolidate and repay their debts fast and for free.

- Led the development of the app and website using React Native and TypeScript, and integrated with Firebase, Plaid, and Erie Bank for ACH transactions.
- Managed the day-to-day operations of the company, including team management, product development, customer acquisition, and securing funding for the company's growth and expansion plans.
- Secured membership in the Erie Technology Incubator, which provided support and resources for the development and growth of the company.

Penn State University (Behrend) Student Government, **President** *(August 2016 - May 2018)*

Chegg, **Tutor** *(May 2017 – May 2018)*

Master Trade Import and Export, **Administrative Assistant** *(Summer 2013-2017)*

Penn State Behrend, **Resident Assistant** *(August 2015 – May 2016)*

PROJECTS

LPUkraineRelief.com, Built a fundraising site in 12 hours, raising $700,000 from 240+ donors for Ukrainian colleagues.

PPE Site, Developed a PPE website in March 2020, generating $5 million in the first month.

Critical Bug Resolution, fixed a bug affecting 20k restaurants in April 2020 for one of the world's biggest food delivery apps

Cloud-based Intelligent Video Surveillance and Predictive Monitoring Platform, Placed 1st among the senior design projects for the 2018 Software Engineering Class. Led a team to create a real-time video analysis web app using TensorFlow and OpenCV

FeelLike App: Developed a cross-platform mobile application, placing 6th in a $100,000 AI challenge among 79 teams.

SKILLS

Programming Languages: JavaScript, TypeScript, C#, Java, Python, C++, SQL, NoSQL

Frameworks & Technologies: Next.js, React.js, React Native, Node.js, Vue.js, ASP.NET, Azure, AWS

AI/ML Expertise: TensorFlow, OpenAI API, Generative AI applications

Tools: Azure DevOps, JIRA, Git, Bitbucket

Languages: English (Fluent), Arabic (Fluent)

EDUCATION

The Pennsylvania State University, **B.S Software Engineering | Behrend Honors Program** *(December 2018)*

Behrend Excellence Award, **50% of Tuition/yearly** *(August 2016 – May 2018)*

LEADERSHIP EXPERIENCE:

International Student Organization, **President** *(August 2015 - May 2016)*

Model United Nations, **Co-Founder** *(January 2015 - May 2016)*

Penn State Alumni Association, **Board Member** *(July 2019 - July 2022)*